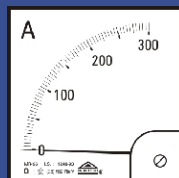
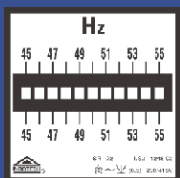
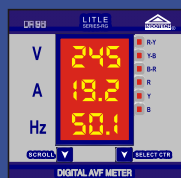




EDITION : 11/11/2021

PRODUCT CATALOG CUM PRICELIST

Taxes Extra As Applicable



WE MONITOR & SAFEGUARD ELECTRICITY

Company Profile

Electricity is the most vital source of energy in modern era. We make use of this energy in Distribution Panels, Machines, Gadgets & Equipments etc. Measuring Instruments indicate/record various electrical parameters and thus forms a dialogue between man & machine.

Now a days, the sources of electricity generation has increased manifold, viz, Atomic, Solar, Wind, Hydro alongwith the conventional Coal & Oil based Generating Sets.

“INDOTECH” was established in a small rental shed in Delhi in the year 1974 with an objective in mind to manufacture Indicating Test and Measuring Instruments by Er. L.R. Madan, an Alumnus of BITS, Pilani in Electrical Engineering with specialisation in Instrumentation & Training in Industrial Management. He also undertook special training of Instrument Calibration from IDEMI, Mumbai.

In a short span of time, good response from the Market encouraged us to expand our manufacturing activities. Today “INDOTECH” possesses an integrated manufacturing setup with excellent production and quality control facilities in its own spacious building located at NOIDA. A highly competent team works ceaselessly to craft the superb products at competitive prices.

We are now launching Miniature Circuit Breakers, Distribution Boards and also updated Digital Panel Mounted and Wall Mounted Type Energy Meters. These instruments incorporate Micro Controller based technology.

Marketing, Technical Support & Services are provided by the experienced team members comprising of Sales, Marketing and Business Associates based almost at all the major cities of India.

In addition to an excellent marketing & support chain in India, “INDOTECH” is strengthening its global reach by exploring overseas markets also. We work on the principle that “IMPROVEMENT AND UPGRADATION HAS NO END”, so we are always on the look out for the techniques to improve the quality and services of our products.

In our 45 years of working, we have always aimed to provide best quality, in time delivery entire to the satisfaction of customer needs and requirements.

At “INDOTECH” we always welcome suggestions and feedback regarding changes whether on working environment or technologies.

Quality Policy

“INDOTECH” resolves to make best efforts to keep pace with the developing technology in order to meet customers's expectation by providing best quality products at cost effective prices.

PRODUCT INDEX GROUP "A"

S.NO	PRODUCT NAME	PAGE NO.	S.NO	PRODUCT NAME	PAGE NO.
01	AMMETERS, ANALOG TYPE	7	23	FREQUENCY METERS, ANALOG TYPE	12
02	AMMETERS, DIGITAL TYPE	1	24	FREQUENCY METERS, DIGITAL TYPE	1
03	APFC RELAYS (AUTOMATIC POWER FACTOR CONTROLLER RELAYS)	5	25	FREQUENCY METERS, REED TYPE	12
04	AVF METERS, DIGITAL TYPE	3	26	INSULATION TESTERS	22
05	CLAMP METERS, DIGITAL TYPE	23	27	KVA METERS, DIGITAL TYPE	1
06	CURRENT TRANSFORMERS TAPE WOUND (BPL BAR PRIMARY) TYPE	16	28	KW METERS , DIGITAL TYPE	1
07	CURRENT TRANSFORMERS TAPE WOUND (CORE BALANCED) TYPE	16	29	MILLI AMMETERS, ANALOG TYPE	7
08	CURRENT TRANSFORMERS TAPE WOUND (WPLWOUND PRIMARY) TYPE	16	30	MILLI AMMETERS, DIGITAL TYPE	1
09	CURRENT TRANSFORMERS TAPE WOUND PROTECTION TYPE	16	31	MILLI VOLTMETERS, ANALOG TYPE	7
10	CURRENT TRANSFORMERS RESIN CAST TYPE	16	32	MILLI VOLTMETERS, DIGITAL TYPE	1
11	DC METER SHUNTS	15	33	MULTIFUNCTION METERS, LED TYPE	4
12	EARTH TESTERS	22	34	MULTI METERS , DIGITAL TYPE	23
13	ENERGY METERS, SINGLE PHASE, WALL MOUNTING COUNTER TYPE	23	35	MW METERS , DIGITAL TYPE	1
14	ENERGY METERS, THREE PHASE, WALL MOUNTING COUNTER TYPE	23	36	PHASE SEQUENCE INDICATORS	12
15	ENERGY METERS, SINGLE PHASE, WALL MOUNTING LCD TYPE	23	37	POWER FACTOR METER, DIGITAL TYPE	1
16	ENERGY METERS, THREE PHASE, WALL MOUNTING LCD TYPE	23	38	RAILWAY PRODUCTS	28
17	KVAH METERS, LED TYPE, DUAL SOURCE MAINS OR GENERATOR, PANEL TYPE	4	39	THREE PHASE AMMETERS , DIGITAL TYPE	3
18	KVAH METERS, LED TYPE, SINGLE SOURCE MAINS OR GENERATOR, PANEL TYPE	4	40	THREE PHASE VOLTMETERS , DIGITAL TYPE	3
19	KWH METERS, LED TYPE, DUAL SOURCE MAINS OR GENERATOR, PANEL TYPE	4	41	VARIACS (CONTINUOUSLY VARIABLE VOLTAGE AUTO TRANSFORMERS)	21
20	KWH METERS, LED TYPE, SINGLE SOURCE MAINS OR GENERATOR, PANEL TYPE	4	42	VOLTMETERS , ANALOG TYPE	7
21	KWH / KVAH METERS, LED TYPE, SINGLE SOURCE MAINS OR GENERATOR, PANEL TYPE	4	43	VOLTMETERS , DIGITAL TYPE	1
22	KWH / KVAH METERS, LED TYPE, DUAL SOURCE MAINS OR GENERATOR, PANEL TYPE	4	44	WATTMETERS , DIGITAL TYPE	1

PRODUCT INDEX GROUP "B"

S.NO	PRODUCT NAME	PAGE NO.	S.NO	PRODUCT NAME	PAGE NO.
01.	CHANGE OVER SWITCHES	25	04.	MINIATURE CIRCUIT BREAKERS (MCB'S) MINI TYPE	25
02.	ISOLATORS	25	05.	MINIATURE CIRCUIT BREAKERS (MCB'S) MODULAR TYPE	25
03.	MCB ENCLOSURES	27	06.	MINIATURE CIRCUIT BREAKERS (MCB'S) PANEL TYPE	25

Note :-

- 1.In view of continuous developments going on,prices are subject to change without prior notice.
- 2.This Price List cancels all our previous price lists

"INDOTECH" DIGITAL PANEL METERS

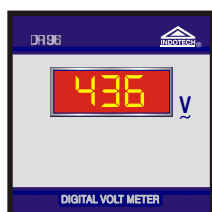
'INDOTECH' Digital Panel Meters have been developed to give instantaneous readings of various electrical parameters like mV, V, mA, A, Hz, W, VA, VAR, kWh & PF etc. DISPLAY : 12.5 mm. Seven Segment Red LED. AUX SUPPLY : 110V or 230V AC. ACCURACY : $1\% \pm 2$ DIGITS

"INDOTECH" DIGITAL AMMETERS, MILLI AMMETERS, MILLI VOLTMETERS & VOLTMETERS

SIZES AVAILABLE : Available in sizes 48x96, 72x72, 96x96, 144x144 mm.

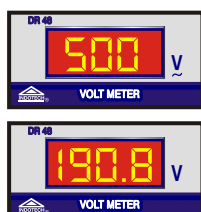
DIGITAL VOLT METERS AC : Available in following ranges :

2V, AC 20V, AC
200V, AC 500V, AC
750V, AC



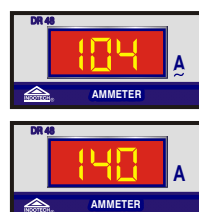
DIGITAL VOLT METERS DC : Available in following ranges :

200mV, DC 2V, DC
20V, DC 200V, DC
500V, DC 1000V, DC



DIGITAL AMMETERS AC : Available in following ranges :

200mA, AC 2 A, AC
20 A, AC



DIGITAL AMMETERS DC : Available in following ranges :

200uA, DC 2mA, DC
20mA DC 200mA DC
2 A, DC 20 A, DC



MICROPROCESSOR BASED PROGRAMMABLE AMMETERS & VOLTMETERS

We have introduced a new series of AC Ammeters which have programmable CT Ratio from 5/5 to 8000/5 in case of CTR 5 & 5/1 to 8000/1 in case of CTR 1 AC Meters. The same features for selection has been provided in DC Ammeters for selection of Shunt Display in case of 75mV, 60mV & 50mV DC Ammeters.

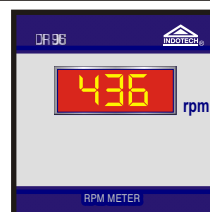
"INDOTECH" DIGITAL FREQUENCY METERS



SIZES AVAILABLE :

Available in sizes 48x96, 72x72, 96x96, 144x144 mm.
Available in following ranges :
30 to 70 Hz, Line (Mains)
10 to 100 Hz, 10 to 1000 Hz

"INDOTECH" DIGITAL RPM METERS



SIZES AVAILABLE :

Available in sizes 48x96, 72x72, 96x96, 144x144 mm.
Available in following ranges :
FSD 2mA DC, 10 mA DC,
10V DC, 50 Hz DC in terms of rpm
or any FSD as specified

"INDOTECH" DIGITAL WATT, VA, & VAR METERS



SIZES AVAILABLE :

48X96, 72X72, 96X96, 144X144 mm
Available for 5A Current & 440V for
1 & 3 Phase supply & load, CTR
Selectable.

"INDOTECH" POWER FACTOR METERS



SIZES AVAILABLE :

48X96, 72X72, 96X96, 144X144 mm

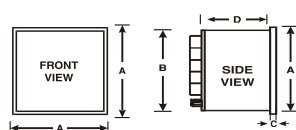
Available for 1A or 5A Current & 110, 250 or 440V for
single phase & three phase supply & load. The range
is 0.3 Lag - 1 - 0.3 Lead

DIMENSIONS & MOUNTING ARRANGEMENTS

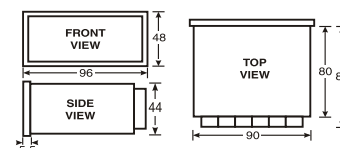
DR72, DR96 & DR144

VOLT, AMPERE & FREQUENCY METERS				
MODEL	A	B	C	D
DR 72	72	66	5.5	84
DR 96	96	90	5.5	45
DR-144	144	136	7	76

All dimensions in mm.



DR48



Note : Voltmeters and Ammeters are available in 5V, 12V, 24V, 48V & 72 V DC Aux also.

PRICE LIST

"INDOTECH" DIGITAL PANEL METERS

1st ALPHABET DIGITAL TYPE OF METER	4th ALPHABET A-AC D-DC F-FREQUENCY L-KVAR/MVAR	N-KVA/MVA P-POWER FACTOR R-RPM W-WATT METER	9th ALPHABET : UNIT OF THE METERS
2nd & 3rd ALPHABET 72, 96, 44 (FOR 144X144), 48(FOR 48X96) SIZE OF THE METER	5th to 8th ALPHABET RANGE OF METER		A-AMPERE METER B-CTR 1A C-CTR 5A H-HERTZ J-MILLI VOLT METER
			M-MILLI AMPERE METER S-SHUNT DROP SELECTABLE V-VOLT METER X-50mV Y-60mV Z-75mV

"INDOTECH" CTR TYPE AMMETERS : AC

Range	SQUARE SERIES						RECTANGULAR SERIES	
	72mm Square		96mm Square		144mm Square		48 X 96mm Rectangular	
	PRODUCT CODE	Price	PRODUCT CODE	Price	PRODUCT CODE	Price	PRODUCT CODE	Price
CTR 5A	DR 72A PROG C	Rs .770	DR 96A PROG C	Rs. 670	DR 44A **** C	Rs. 1260	DR 48A PROG C	Rs. 770
CTR 1A	DR 72A PROG B	Rs .870	DR 96A PROG B	Rs. 770	DR 44A ****B	Rs. 1370	DR 48A PROG B	Rs. 870

NOTE : 1. "PROG" Type CTR METERS ARE MICROPROCESSOR BASED & CT RATIO IS PROGRAMMABLE FROM 5/5A TO 8000/5A IN VARIOUS STEPS IN CASE OF CTR 5A & 5/1A TO 8000/1A IN CASE OF CTR 1 A METERS

2. "XXXX" INDICATE THAT THE CUSTOMER IS TO SPECIFY CT RATIO OR DISPLAY

"INDOTECH" DIGITAL VOLT METERS : AC

500V 1000V	D72A 0500V D72A 1000V	Rs. 770 Rs. 1010	D96A 0500V D96A 1000V	Rs. 670 Rs. 910	D44A 0500V D44A 1000V	Rs. 1260 Rs. 1540	D48A 0500V D48A 1000V	Rs. 770 Rs. 1010
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"INDOTECH" DIGITAL AMMETERS EXTERNAL SHUNT TYPE

50/60/75 mV EXT SHUNT	D72D PROGS mV DROP SELECTABLE	Rs .970	D96D PROGS mV DROP SELECTABLE	Rs. 870	D44D **** X mV DROP FIXED	Rs. 1540	D48D PROGS mV DROP SELECTABLE	Rs. 970
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"INDOTECH" DIGITAL VOLT METERS : DC

100V 500V 1000V	D72D 0100V D72D 0500V D72D 1000V	Rs 1020 Rs 920 Rs 1120	D96D 0100V D96D 0500V D96D 1000V	Rs 920 Rs 820 Rs 1020	D44D 0100V D44D 0500V D44D 1000V	Rs 1360 Rs 1290 Rs 1540	D48D 0100V D48D 0500V D48D 1000V	Rs 1020 Rs 920 Rs 1120
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"INDOTECH" DIGITAL FREQUENCY METERS

30-70Hz 0-100Hz	D72F070Hz D72F100Hz	Rs .890 Rs .1290	D96F070Hz D96F100Hz	Rs .790 Rs .1190	D44F070Hz D48F100Hz	Rs .1710 Rs 2110	D48F070Hz D48F100Hz	Rs .890 Rs 1290
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"INDOTECH" DIGITAL MILLI AMMETERS FOR TRANSDUCERS INPUT

4-20mA	D72D 0420m	Rs 1440	D96D 0420m	Rs 1340	D44D 0420m	Rs 2110	D48D 0420m	Rs 1440
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"INDOTECH" DIGITAL R P M METERS

FSD 2mA DC FSD 10V DC	D72R **** A D72R **** V	Rs 1120 Rs 1120	D96R **** A D96R **** V	Rs 1020 Rs 1020	D44R **** A D44R **** V	Rs 1490 Rs 1490	D48R **** A D48R **** V	Rs 1120 Rs 1120
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"INDOTECH" DIGITAL WATT/KILOWATT/MEGAWATT METERS

SINGLE PHASE 5A/500V	D72W PROG 1	Rs 1950	D96W PROG 1	Rs 1850	D44 **** 1	Rs 3650	D48W PROG 1	Rs 1950
THREE PHASE 5A/500V	—	—	D96W PROG 3	Rs 3250	D44 **** 3	Rs 4450	—	—

"INDOTECH" DIGITAL POWER FACTOR METERS

SINGLE PHASE 5A/500V	D72P PROG 1	Rs 1850	D96P PROG 1	Rs 1850	D44 **** 1	Rs 3650	D48P PROG 1	Rs 1850
THREE PHASE 5A/500V	—	—	D96P PROG 3	Rs 3250	D44 **** 3	Rs 4450	—	—

"INDOTECH" DIGITAL KVA,MVA METERS

SINGLE PHASE 5A/500V	D72N PROG 1	Rs 2050	D96N PROG 1	Rs 2050	D44 **** 1	Rs 3850	D48N PROG 1	Rs 2050
THREE PHASE 5A/500V	—	—	D96N PROG 3	Rs 3450	D44 **** 3	Rs 4750	—	—

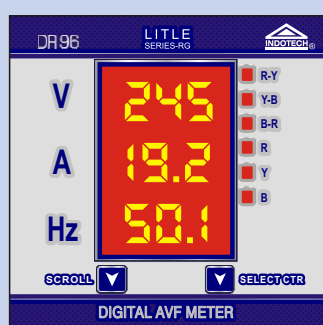
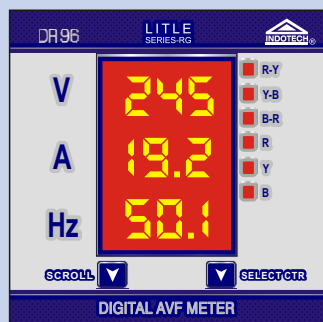
"INDOTECH" DIGITAL KVAR,MVAR METERS

SINGLE PHASE 5A/500V	D72L PROG 1	Rs 2050	D96L PROG 1	Rs 2050	D44 **** 1	Rs 3850	D48L PROG 1	Rs 2050
THREE PHASE 5A/500V	—	—	D96L PROG 3	Rs 3450	D44 **** 3	Rs 4750	—	—

Standard Packing	36 Units	36 Units	12 Units	36 Units
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- NOTE:
- PLEASE MENTION CT RATIO IN PLACE OF "*****".
 - PLEASE MENTION THE RPM RANGE IN PLACE OF "*****".
 - IF ANY OTHER PARAMETERS IS TO BE MENTIONED ON THE DIAL, ADD RS. 200/- EXTRA ON THE LIST PRICE.
 - SHUNT DROP IS SELECTABLE FOR 50/60/75 mV.
 - MILLIA METERS & DIRECT AMMETERS UPTO 20A ARE AVAILABLE IN BOTH AC & DC.
 - VOLTMETERS AND AMMETERS ARE AVAILABLE IN 5V, 12V, 24V, 48V, & 72 V DC AUX ALSO.

“INDOTECH” DIGITAL SINGLE & THREE PHASE AVF METERS



“INDOTECH” Digital AVF Meters have been designed to measure Current, Voltage & Frequency of the AC Systems . AVF Meters are available in various models for single phase & three phase systems :

In GN series RPM & Hours of run is displayed .

	SINGLE PHASE AVF				THREE PHASE AVF	
Model Product Code	GINIE-RG DR96UGENRG	GINIE-GN DR96UGENGN	MINIE-RG DR96UMINRG	MINIE-GN DR96UMINGN	LITTLE-RG DR96ULTLRG	LITTLE-GN DR96ULTLGN
VOLTAGE : PHASE to NETURAL	☒	☒	☒	☒	☒	☒
VOLTAGE : PAHSE to PHASE	☐	☐	☐	☐	☒	☒
CURRENT : SINGLE PHASE	☒	☒	☒	☒	☒	☒
CURRENT : EACH PHASE	☐	☐	☐	☐	☒	☒
Hz : FREQUENCY	☒	☒	☒	☒	☒	☒
RPM : RPM DISPLAYED	☐	☒	☐	☒	☐	☒
HOUR OF RUN : HOUR of RUN RECORDED	☐	☒	☐	☒	☐	☒
DISPLAY	LED	LED	LED	LED	LED	LED
ROW	SINGLE	SINGLE	THREE	THREE	THREE	THREE
PRICE Rs.	825/-	875/-	1140/-	1190/-	1220/-	1270/-

STANDARD PACKING AVF METERS : 24 PCS.

“INDOTECH” DIGITAL THREE PHASE AMMETERS & VOLTMETERS

"INDOTECH" THREE PHASE AMMETERS :

“Indotech” 3Phase Ammeters have been designed for monitoring the current of all the three phases.

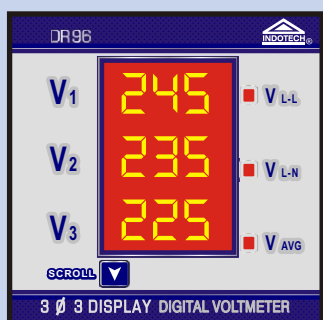
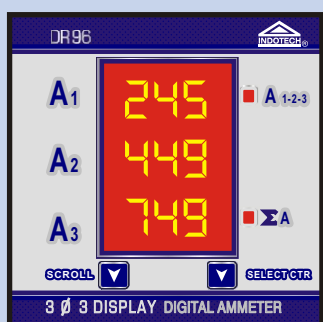
The meter consists of 3 rows of LED display. Each row indicates current per phase. So the current of all the three phases is displayed simultaneously on the panel. “SELECT - CTR “ switch is provided under the dial for selecting the CT Ratio. "ΣA" switch is provided for the display of total current of all the three phases.

"INDOTECH" THREE PHASE VOLT METERS :

“Indotech” 3Phase Voltmeters have been designed for monitoring the voltage of all the three phases.

The meter consists of 3 rows of LED display. Each row indicates phase to phase or phase to neutral voltage. So the voltage of all the three phases is displayed simultaneously on the panel.

V Avg switch is provided for the display of average voltage of all the three phases



PRICE LIST

PRODUCT CODE	DESCREPTION	
D963DTPAM	THREE DISPLAY TYPE THREE PHASE AMMETRS	Rs. 1220/-
D963DTPVM	THREE DISPLAY TYPE THREE PHASE VOLTMETERS	Rs. 1220/-

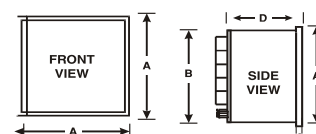
STANDARD PACKING

24 PCS.

DIMENSIONS & MOUNTING ARRANGEMENTS

THREE PHASE AMP,VOLT, & AVF METERS				
MODEL	A	B	C	D
DR 96	96	90	5.5	45

All dimensions in mm.

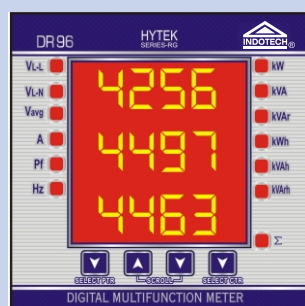


"INDOTECH" DIGITAL MULTIFUNCTION METERS

"INDOTECH" Digital Multi Function Meters have been designed to measure all the electrical parameters such as Current, Voltage, Frequency, Active Power, Reactive Power, Apparent Power, Power Factor, Active Energy, Reactive Energy, Apparent Energy etc.

Besides the above parameters, we have designed new models of Multi Function Meters for the AC Generators which can also measure RPM of the Alternator and "Hours of Run" of the Generators.

MODELS AVAILABLE:



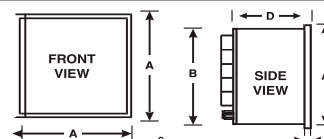
"INDOTECH" DIGITAL MULTIFUNCTION METERS (Three Phase)

Models Product Code	HYTEK-RG D 96M HTK RG	HYTEK-GN D 96M HTK GN	HYTEK-DS D 96M HTK DS
Source	MAINS	GENERATOR	DUAL SOURCE
Parameters			
VOLTAGE : Phase to Phase, Phase to Neutral	☒	☒	☒
CURRENT : Line Current Individual Phase & 3 Phase	☒	☒	☒
KW : Individual Phase & Total Active Power	☒	☒	☒
KVA : Individual Phase & Total Apparent Power	☒	☒	☒
KVAr : Individual Phase & Total Reactive Power	☒	☒	☒
PF : Individual Phase & 3 Phase Power Factor	☒	☒	☒
KWh : Individual Phase & Total Active Energy	☒	☒	☒
KVAh : Individual Phase & Total Apparent Energy	☒	☒	☒
KVArh : Individual Phase & Total Reactive Energy	☒	☒	☒
Hz : Frequency Measurement	☒	☒	☒
RPM : RPM Displayed	☐	☒	☒
HOURS OF RUN : Hours of Run Displayed	☐	☒	☒
Display	LED Display	LED Display	LED Display
Price in Rs.	Rs. 3450/-	Rs. 3650/-	Rs. 4950/-

STANDARD PACKING : MULTIFUNCTION METERS : 12 PCS.

DIMENSIONS & MOUNTING ARRANGEMENTS

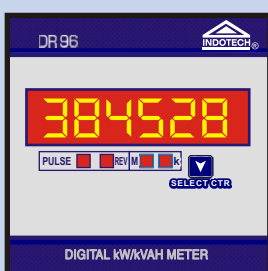
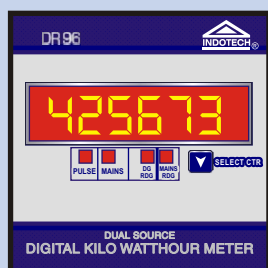
MULTIFUNCTION METERS				
MODEL	A	B	C	D
DR 96	96	90	5.5	72



"INDOTECH" PANEL MOUNTED kWh & kVAh METERS

"INDOTECH" has designed Panel Mounted type kWh & kVAh Meters, with LED display .in Single Source suitable for Mains or Generator Supply & Dual Source suitable for Mains & Generator Supply .

The CT Ratio is programmable and the switch is provided under the dial of the meter. The multiple of 1000 is displayed by "K" and multiple of 1000000 is displayed by "M". The LED has six digits.



PRICE LIST

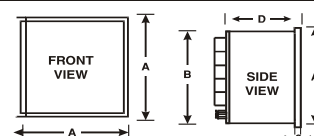
PRODUCT CODE	ITEM	PHASE	SOURCE	PRICE
D96KWHSS1	kWh Meter	SINGLE	SINGLE	Rs. 2350/-
D96KWHDS1	kWh Meter	SINGLE	DUAL	Rs. 3250/-
D96KWHSS3	kWh Meter	THREE	SINGLE	Rs. 2450/-
D96VAHSS1	kWh Meter	THREE	DUAL	Rs. 3350/-
D96VAHDS3	kVAh Meter	SINGLE	SINGLE	Rs. 2650/-
D96VAHDS1	kVAh Meter	SINGLE	DUAL	Rs. 3350/-
D96KWHSS3	kVAh Meter	THREE	SINGLE	Rs. 2750/-
D96KWHDS3	kVAh Meter	THREE	DUAL	Rs. 3450/-

STANDARD PACKING :24 PCS.

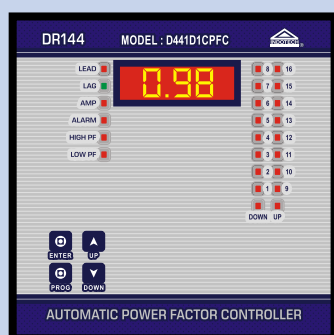
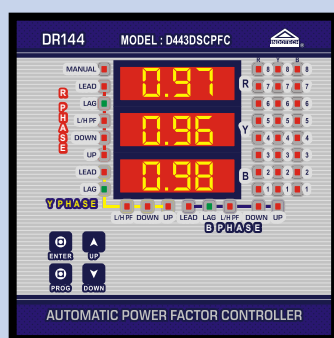
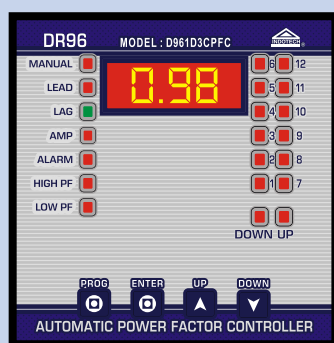
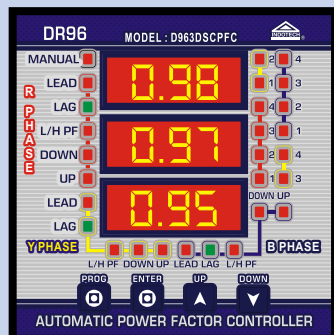
DIMENSIONS & MOUNTING ARRANGEMENTS

kWh & kVAh METERS				
MODEL	A	B	C	D
DR 96	96	90	5.5	45

All dimensions in mm.



"INDOTECH" DIGITAL AUTOMATIC POWER FACTOR CONTROLLER RELAYS



"INDOTECH" has designed APFC's for the measurement & control of Power Factor of the system by using Reactive Power Compensation . Automatic Switch ON & Switch OFF of the Capacitors provides necessary compensation to the nearest level of the target PF .

Sizes Available : 96 x 96 mm & 144 x 144 mm

Various models Available from 4 Relays to 24 Relays

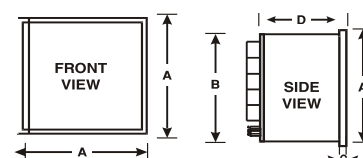
GENERAL SPECIFICATIONS :

PARAMETERS	SPEIFICATIONS
Protection Class	IP 54 Front Panel
Display	Red LED (Seven Segment)
Measurement / Function	Current Voltage Line to Line , Voltage Line to Netural , Power Factor
Accuracies	Volt Current & Pf (True RMS)
Over Voltage Setting for Single Phase	90 - 300 Volt AC
Current Sensing	10 mA - 5 A
Burden	Less than 0.3 VA at CT Input at Nominal Voltage & Less than 10 VA Input at Nominal Voltage
Power Factor Setting	0.3 Lag to 1.000 Lag & 1.000 Lead to 0.3 Lead
C.T.Setting	5 A - 6000 A
Time Delay Betwewen Steps	0 to 240 sec
Discharge Time	60 Sec Factory Settnng
Programmable Over Voltage Alarm	1 to 240 Sec
Aux	90 V to 300 V , AC
Operating Frequency	50 Hz - 60 Hz on Request
Power Consumption	Less Than 10 VA
Current Input	1A or 5A from CT Seceondary (Programmable)
Contact Input	5 A , 750 VA cos phi = 1
Ambient Contact / Temprature	$^{\circ}$ 20 to 70 C
Ambient Humidity	85%
Connection	Flush Mounting

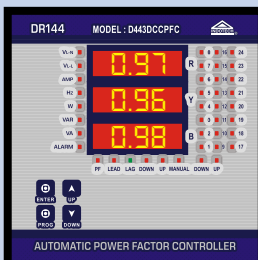
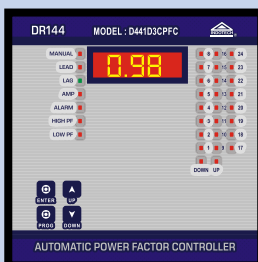
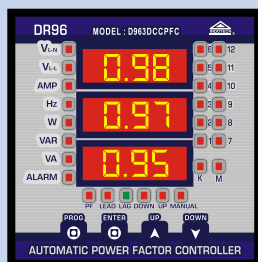
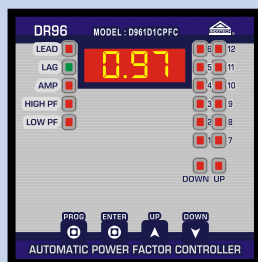
DIMENSIONS & MOUNTING ARRANGEMENTS AUTOMATIC POWER FACTOR CONTROLLERS

APFC METERS				
DR-96	90	96	5.5	70
DR-144	144	136	7	70

ALL DIMENSIONS ARE IN MM



"INDOTECH" DIGITAL AUTOMATIC POWER FACTOR CONTROLLER RELAYS



MODEL : DR 96

We have four models details as under :-

MODEL	D961D1CPFC	D961D3CPFC	D963DCCPFC	D963DSCPFC
DISPLAY	SINGLE ROW	SINGLE ROW	THREE ROW	THREE ROW
NO. OF CT'S	ONE	THREE	THREE	THREE
CURRENT	10 mA To 5 A	10 mA To 5 A	10 mA To 5 A	10 mA To 5 A
CAPACITOR STEPS	2, 4, 6, 8, 10 & 12	2, 4, 6, 8, 10 & 12	2, 4, 6, 8, 10 & 12	4
WEIGHT	400 g	400 g	450 g	450 g
CONNECTION TYPE	SINGLE PHASE OR THREE PHASE (OPTIONAL)	THREE PHASE FOUR WIRE	THREE PHASE FOUR WIRE	THREE PHASE FOUR WIRE

Note :-

(a) Model D96 3DCCPFC is designed for composit compensation

(b) Model D96 3DSCPFC senses PF of each phase & compensates each phase separately .

MODEL : DR 144

We have four models details as under :-

MODEL	D441D1CPFC	D441D3CPFC	D443DCCPFC	D443DSCPFC
DISPLAY	SINGLE ROW	SINGLE ROW	THREE ROW	THREE ROW
NO. OF CT'S	ONE	THREE	THREE	THREE
CURRENT	10 mA To 5 A	10 mA To 5 A	10 mA To 5 A	10 mA To 5 A
CAPACITOR STEPS	4, 6, 8, 10, 12, 14 & 16	4, 6, 8, 10, 12, 14, 16, 18, 20, 22 & 24	4, 6, 8, 10, 12, 14, 16, 18, 20, 22 & 24	4, 6, & 8
WEIGHT	700 g	700 g	700 g	900 g
CONNECTION TYPE	SINGLE PHASE OR THREE PHASE (OPTIONAL)	THREE PHASE FOUR WIRE	THREE PHASE FOUR WIRE	THREE PHASE FOUR WIRE

Note :-

(a) Model D44 3DCCPFC is designed for composit compensation

(b) Model D44 3DSCPFC senses PF of each phase & compensates each phase separately .

PRICE LIST

DR96 APFC RELAY

DR44 APFC RELAY

STEPS	D961D1CPFC	D961D3CPFC	D963DCCPFC	D963DSCPFC	STEPS	D441D1CPFC	D441D3CPFC	D443DCCPFC	D443DSCPFC
2	-----	-----	-----	9,550/-	4	7,550/-	9,250/-	9,850/-	13,750/-
3	-----	-----	-----	10,950/-	6	7,850/-	9,550/-	10,150/-	14,750/-
4	6,350/-	7,550/-	8,150/-	12,350/-	8	8,150/-	9,850/-	10,450/-	15,750/-
6	6,650/-	7,850/-	8,450/-	-----	10	8,450/-	10,150/-	10,750/-	-----
8	6,950/-	8,150/-	8,750/-	-----	12	8,750/-	10,450/-	11,050/-	-----
10	7,250/-	8,450/-	9,050/-	-----	14	9,050/-	10,750/-	11,350/-	-----
12	7,550/-	8,750/-	9,350/-	-----	16	9,350/-	11,050/-	11,650/-	-----
					18	-----	11,350/-	11,950/-	-----
					20	-----	11,650/-	12,250/-	-----
					22	-----	11,950/-	12,550/-	-----
					24	-----	12,250/-	12,850/-	-----

STANDARD PACKING: 8PCS

STANDARD PACKING: 6PCS

"INDOTECH" ANALOG PANEL METERS

"INDOTECH" VOLTMETERS & AMMETERS :

GENERAL :

"INDOTECH" Voltmeters and Ammeters have been found indispensable by Laboratories and Industrial Houses. All the components used in the manufacture of the instruments are selective and are designed to ensure long term accuracy and service. All parts/sub-assemblies are thoroughly inspected and gauged at all stages with utmost care by experts.

CONSTRUCTION :

The movements are strongly constructed incorporating synthetic sapphire jewel bearings, hard chrome plated highly polished pivots and phosphor-bronze cadmium copper hair springs. Moving coil meters are fitted with high flux density magnets resulting in linear scale. All these meters have zero adjust accessible from the front.

TYPE OF METERS :

MOVING IRON TYPE METERS :

These are meant for measuring AC quantities. However, DC quantities could also be measured but with slightly low accuracy. These are available in 90° scale.

MOVING COIL TYPE METERS :

Moving Coil instruments are meant for the measurement of DC voltages and currents. All the meters are fitted with high flux density magnets resulting in linear scale. These are available in 90° & 240° scale.

MOVING COIL RECTIFIER TYPE METERS :

Rectifier type instruments are meant for the measurement of AC voltage and currents. These are moving coil instruments fitted with full wave rectifiers to measure AC quantities. These are available in 90° & 240° scale.

TESTS :

Following tests are performed as per BIS 1248-03

1. VIBRATION TEST :

The meters are subjected to vibrations. This test ensures that if there is any loose component, it will be detected before the meter is passed.

2. LIFE TEST :

The meter is subjected from zero to full scale and the counter meter records the number of operations.

3. OVERLOAD TEST :

The meter is overloaded 120% of its rated capacity for 2 hours.

4. HIGH VOLTAGE BREAKDOWN TEST :

The meter should withstand 2kV, AC, if applied between electrical circuit and any metallic point of the meter for 1 minute.

5. INSULATION RESISTANCE TEST :

BIS 1248-03 specifies that the insulation resistance should be above 5 megohms. The test is performed accordingly.

6. ACCURACY TEST :

The accuracy test is performed as per BIS 1248-03.

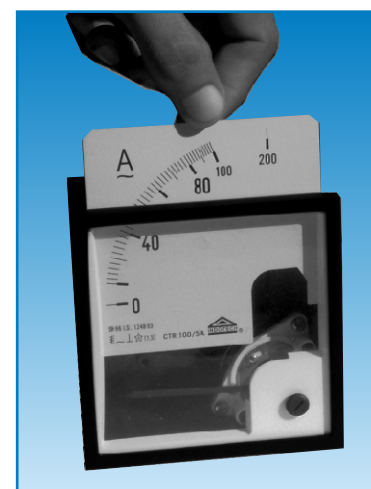
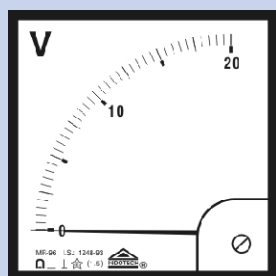
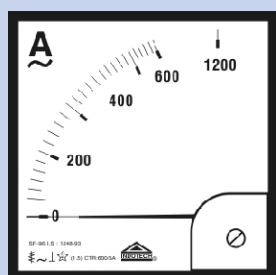
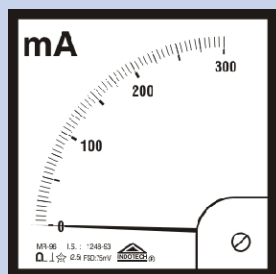
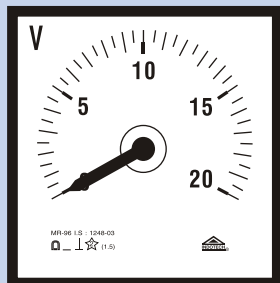
The error is calculated on the basis of full scale deflection of the meter.

PARAMETERS AVAILABLE :

Meters are available for the measurement of mV, V, mA & A, KV meters are calibrated in terms of PT ratio & high range ammeters in terms of CT ratio.

NOTE :

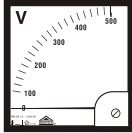
Models SR 72/MR 72, SR 96/MR 96 & SR 144/MR 144 have changeable dial for different CT Ratios in case of Moving Iron Meters and different FSD for Shunt operated meters



"INDOTECH" ANALOG PANEL METERS

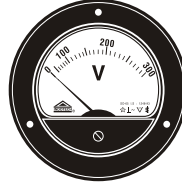
MODELS AVAILABLE :

SQUARE FLUSH MOUNTING SERIES



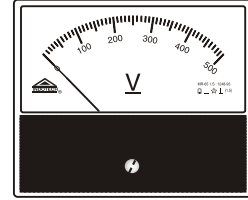
- **TYPE SR48:**
48x48mm square shaped, flush mounting type in narrow framed, elegant looking Plastic case & phenolic moulded black base..
- **TYPE SR72/MR72/CR72/TR72/QR72 :**
72x72mm square shaped, flush mounting type in narrow framed, elegant looking flame retardant polycarbonate black case.
- **TYPE SR96/MR96/CR96/TR96/QR96 :**
96x96mm square shaped, flush mounting type in narrow framed, elegant looking flame retardant polycarbonate black case.
- **TYPE SR144/MR144/CR144/TR144/QR144 :**
144x144mm square shaped, flush mounting type housed in narrow framed, elegant looking off-white plastic case & phenolic moulded black base.

ROUND FLUSH , PROJECTION & PEDASTAL SERIES



- **TYPE SO-65 / MO-65 :** 65 mm round flush mounting type phenolic moulded black case & base .
- **MODEL 110 :** 110 mm dia round flush mounting type in phenolic moulded black case & base .
- **TYPE P-100 :** 100 mm round projection type in plastic moulded black case & phenolic moulded base .
- **TYPE L-100 :** 100 mm round pedestal type in metal black case & phenolic moulded base with plastic stand .

ACRYLIC SERIES



- **TYPE SR-65 / MR-65 :** 65 x 65 mm acrylic case with plastic base panel cutout .
- **TYPE SR-80 / MR-80 :** 80 x 80 mm acrylic case with plastic base & panel cutout .
- **TYPE SR-100 / MR-100 :** 100 x 80 mm acrylic case with plastic base & panel cutout

TECHNICAL SPECIFICATIONS

MODEL SELECTION CHART OF VOLTMETERS & AMMETERS

1st Alphabet	Type of Meter	2nd Alphabet	Shape of Meter
S	Moving Iron type of AC meters 90° Scale	O	Round Flush case
M	Moving Coil type of DC meters 90° Scale	R	Square
C	Moving Coil Rectifier type AC meters 90° Scale		
T	Moving Coil type DC meters 240° Scale	110	Round Flush
Q	Moving Coil Rectifier type AC Meters 240° Scale	100	Round Projection
P	100 mm Projection in Moving Iron	100	Round Pedestal
L	100 mm Pedestal in Moving Iron		

SCALE LENGTH OF VOLTMETERS & AMMETERS

MODEL SQUARE SERIES	SCALE LENGTH (APPROX.)	MODEL Round Series	SCALE LENGTH (APPROX.)	MODEL ACRYLIC SERIES	SCALE LENGTH (APPROX.)
SR48	37mm	SO-65/MO-65	47 mm	SR65 / MR65	52 mm
SR72/MR72/CR72/TR72/QR72	63 mm	MODEL-110	95 mm	SR80 / MR80	70 mm
SR96/MR96/CR96/TR96/QR96	95 mm	P-100/L-100	75 mm	SR100 / MR100	82 mm
SR144/MR144/CR144/TR144/QR144	138 mm	L-100	75 mm		

Example : 1. MR96 denotes Moving Coil Square Flush type Meter of size 96x96 mm.
2. SO65 denotes Moving Iron Round Flush type Meter.
3. Model-110 is round meter available in moving coil only.
4. P-100 is round projection available in Moving Iron only
5. L-100 is round pedestal available in Moving Iron only

CLASS OF ACCURACY OF VOLTMETERS & AMMETERS

MOVING IRON METERS

MOVING COIL METERS

MODEL	VOLTMETERS 15V-600V AC	AMMETERS 1A-100A AC	MILLI AMMETERS 200mA-1000mA AC	MODEL	MILLI VOLTMETERS 50mV-750mV DC	VOLTMETERS 1V TO 600V DC	MILLI AMMETERS 1mA TO 500mA DC	AMMETERS 1A TO 50A DC
SR48	2.5	2.5	2.5					
SR72	1.5	1.5	1.5	MR72/CR72/TR72/QR72	1.5	1.5	1.5	1.5
SR96	1.5	1.5	1.5	MR96/CR96/TR96/QR96	1.5	1.5	1.5	1.5
SR-144	1.5	1.5	1.5	MR144/CR144/TR144/QR144	1.5	1.5	1.5	1.5
SR65/SR80/SR100	2.5	2.5	2.5	MO 65,MR65/MR80/MR100	2.5	2.5	2.5	2.5
SO-65	2.5	2.5	2.5	MODEL - 110	1.5	1.5	1.5	1.5
P-100/L-100	1.5	1.5	1.5					

DIMENSIONS & MOUNTING ARRANGEMENTS

MODEL	DIMENSIONS	PANEL CUTOUT
SR48	A 48 B 42 C 5 D 50	44X44
SR72/MR72/CR72/TR72/QR72	A 72 B 66 C 5 D 53	68X68
SR96/MR96/CR96/TR96/QR96	A 96 B 90 C 5 D 53	92X92
SR144/MR144/CR144/TR144/QR144	A 144 B 136 C 7 D 43	138X138

MODEL	DIMENSION	PANEL CUTOUT
SR65/MR65	A 12 B 24 C 48 D 48 E 65 F 65 G 55 H 24 I 24 J 24 K 24 L 4	
SR80/MR80	A 12 B 25 C 64 D 64 E 80 F 80 G 65 H 32 I 32 J 32 K 32 L 4	
SR100/MR100	A 12.5 B 25 C 85 D 64 E 100 F 80 G 66 H 42.5 I 42.5 J 27 K 38 L 4	

ALL DIMENSION IN MM

"INDOTECH" ANALOG PANEL METERS

1st ALPHABET S: MOVING IRON TYPE OF AC METERS 90° SCALE M: MOVING COIL TYPE DC METERS 90° SCALE C: MOVING COIL RECTIFIER TYPE AC METER 90° SCALE T: MOVING COIL TYPE DC METERS 240° SCALE Q: MOVING COIL RECTIFIER TYPE AC METER 240° SCALE P: PROJECTION TYPE AC METERS L: PEDASTAL TYPE AC METERS	2nd ALPHABET O: ROUND FLUSH R: SQUARE/RECTANGULAR 3rd & 4th ALPHABET SIZE OF METER 5th to 8th ALPHABET RANGE OF METER	9th ALPHABET : UNIT OF THE METERS : A- AMPERE : S - MILLIVOLT : B - CTR 1AMP. METER : V - VOLTMETER : C-CTR 5SMP. : X - 50mV External Shunt : K - KILO VOLT U - MICROAMPERE : Y - 60mV External Shunt : M MILLIAMPERE : Z - 75mV External Shunt
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"INDOTECH" MOVING IRON ANALOG PANEL METERS : AC

SQUARE SERIES

“INDOTECH” AMMETERS & MILLIAMMETERS : AC									“INDOTECH” VOLTMETERS : AC								
	48mm SQUARE		72mm SQUARE		96mm SQUARE		144mm SQUARE			48mm SQUARE		72mm SQUARE		96mm SQUARE		144mm SQUARE	
RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
100mA	SR48 0100M	425	SR72 0100M	445	SR96 0100M	475	SR44 0100M	710	15V	SR48 0015V	390	SR72 0015V	410	SR96 0015V	465	SR44 0015V	790
200mA	SR48 0200M	425	SR72 0200M	445	SR96 0200M	475	SR44 0200M	710	30V	SR48 0030V	390	SR72 0030V	410	SR96 0030V	465	SR44 0030V	790
500mA	SR48 0500M	425	SR72 0500M	445	SR96 0500M?	475	SR44 0500M?	710	50V	SR48 0050V	390	SR72 0050V	410	SR96 0050V	465	SR44 0050V	790
1A	SR48 0001A	360	SR72 0001M	380	SR96 0001A	425	SR44 0001A	670	100V	SR48 0100V	390	SR72 0100V	410	SR96 0100V	465	SR44 0100V	790
2A	SR48 0002A	425	SR72 0002A	445	SR96 0002A	475	SR44 0002A	710	150V	SR48 0150V	390	SR72 0150V	410	SR96 0150V	465	SR44 0150V	790
3A	SR48 0003A	425	SR72 0003A	445	SR96 0003A	475	SR44 0003A	710	200V	SR48 0200V	390	SR72 0200V	410	SR96 0200V	465	SR44 0200V	790
5A	SR48 0005A	340	SR72 0005A	360	SR96 0005A	405	SR44 0005A	640	300V	SR48 0300V	390	SR72 0300V	410	SR96 0300V	465	SR44 0300V	790
10A	SR48 0010A	350	SR72 0010A	370	SR96 0010A	425	SR44 0010A	670	500V	SR48 0500V	390	SR72 0500V	410	SR96 0500V	465	SR44 0500V	790
15A	SR48 0015A	350	SR72 0015A	370	SR96 0015A	425	SR44 0015A	670	600V	SR48 0600V	390	SR72 0600V	410	SR96 0600V	465	SR44 0600V	790
20A	SR48 0020A	360	SR72 0020A	380	SR96 0020A	445	SR44 0020A	695	750V	————	—	SR72 0750V	540	SR96 0750V	590	SR44 0750V	990
25A	SR48 0025A	360	SR72 0025A	380	SR96 0025A	445	SR44 0025A	695	1000V	————	—	SR72 1000V	570	SR96 1000V	620	SR44 1000V	1050
30A	SR48 0030A	360	SR72 0030A	380	SR96 0030A	445	SR44 0030A	695	Standard Packing	60 Units		60 Units		36 Units		24 Units	
40A	————	—	SR72 0040A	410	SR96 0040A	465	SR44 0040A	725		NOTE : 1. MODEL SR48 DOES'NT HAVE DAIL CHANGE FACILITY 2. FOR kV ANY OTHER PARAMETERS ADD Rs. 60/- FOR SR48 , SR72 , & SR96 MODELS & Rs.100/- FOR SR144 MODEL							
50A	————	—	SR72 0050A	410	SR96 0050A	465	SR44 0050A	725									
60A	————	—	SR72 0060A	440	SR96 0060A	495	SR44 0060A	725									
75A	————	—	SR72 0075A	490	SR96 0075A	525	SR44 0075A	760									
100A	————	—	SR72 0100A	540	SR96 0100A	580	SR44 0100A	790									
CTR 1A	SR48 ****B	360	SR72 ****B	380	SR96 ****B	425	SR44 ****B	***									
CTR 5A	SR48 ****C	340	SR72 ****C	360	SR96 ****C	405	SR44 ****C	640									
Standard Packing	60 Units		60 Units		36 Units		24 Units										

NOTE : CTR 5A METERS, PLEASE MENTION CT RATIO IN PLACE OF "****C".
CTR 1A METERS, PLEASE MENTION CT RATIO IN PLACE OF "****B".

ROUND SERIES

"INDOTECH" AMMETERS : AC							"INDOTECH" VOLTMETERS : AC							
	65mm ROUND		Round PROJECTION		Round PEDESTAL			65mm ROUND		Round PROJECTION		Round PEDESTAL		
RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	
1A	S065 0001A	185	P100 0001A	265	L100 0001A	310	15V	S065 0015V	215	P100 0015V	280	L100 0015V	325	
2A	S065 0002A	185	P100 0002A	265	L100 0002A	310	30V	S065 0030V	215	P100 0030V	280	L100 0030V	325	
3A	S065 0003A	185	P100 0003A	265	L100 0003A	310	50V	S065 0050V	215	P100 0050V	280	L100 0050V	325	
5A	S065 0005A	185	P100 0005A	265	L100 0005A	310	100V	S065 0100V	215	P100 0100V	280	L100 0100V	325	
10A	S065 0010A	185	P100 0010A	265	L100 0010A	310	150V	S065 0150V	215	P100 0150V	280	L100 0150V	325	
15A	S065 0015A	185	P100 0015A	265	L100 0015A	310	200V	S065 0200V	215	P100 0200V	280	L100 0200V	325	
20A	S065 0020A	185	P100 0020A	265	L100 0020A	310	300V	S065 0300V	215	P100 0300V	280	L100 0300V	325	
25A	S065 0025A	185	P100 0025A	265	L100 0025A	310	500V	S065 0500V	215	P100 0500V	280	L100 0500V	325	
30A	S065 0030A	185	P100 0030A	265	L100 0030A	310	600V	S065 0600V	215	P100 0600V	280	L100 0600V	325	
40A	S065 0040A	205	P100 0040A	295	L100 0040A	335								
50A	S065 0050A	205	P100 0050A	295	L100 0050A	335								
60A	S065 0060A	205	P100 0060A	295	L100 0060A	335								
75A	S065 0075A	-	P100 0075A	345	L100 0075A	385								
100A	S065 0100A	-	P100 0100A	385	L100 0100A	425								
Standard Packing	60 Units		36 Units		24 Units		Standard Packing	60 Units		36 Units		24 Units		9

"INDOTECH" MOVING IRON ANALOG PANEL METERS : AC
ACRYLIC SERIES

"INDOTECH" AMMETERS : AC							"INDOTECH" VOLTMETERS : AC						
	65 x 65 mm		80 x 80 mm		110 x 80 mm			65 x 65 mm		80 x 80 mm		110 x 80 mm	
RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
1A	SR65 0001A	210	SR80 0001A	225	SR10 0001A	255	15V	SR65 0015V	240	SR80 0015V	255	SR10 0015V	285
5A	SR65 0005A	210	SR80 0005A	225	SR10 0005A	255	30V	SR65 0030V	240	SR80 0030V	255	SR10 0030V	285
10A	SR65 0010A	210	SR80 0010A	225	SR10 0010A	255	50V	SR65 0050V	240	SR80 0050V	255	SR10 0050V	285
15A	SR65 0015A	210	SR80 0015A	225	SR10 0015A	255	100V	SR65 0100V	240	SR80 0100V	255	SR10 0100V	285
20A	SR65 0020A	210	SR80 0020A	225	SR10 0020A	255	150V	SR65 0150V	240	SR80 0150V	255	SR10 0150V	285
25A	SR65 0025A	210	SR80 0025A	225	SR10 0025A	255	200V	SR65 0200V	240	SR80 0200V	255	SR10 0200V	285
30A	SR65 0030A	210	SR80 0030A	225	SR10 0030A	255	300V	SR65 0300V	240	SR80 0300V	255	SR10 0300V	285
40A	SR65 0040A	230	SR80 0040A	245	SR10 0040A	275	500V	SR65 0500V	240	SR80 0500V	255	SR10 0500V	285
							600V	SR65 0600V	240	SR80 0600V	255	SR10 0600V	285
Standard Packing	60 Units		60 Units		60 Units		Standard Packing	60 Units		60 Units		60 Units	

"INDOTECH" MOVING COIL 90° ANALOG PANEL METERS :DC
SQUARE SERIES

"INDOTECH" AMMETERS & MILLI AMMETERS : DC							"INDOTECH" MILLI VOLTMETERS & VOLTMETERS : DC						
	72mm Square		96mm Square		144mm Square			72mm Square		96mm Square		144mm Square	
RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
1mA	MR72 0001M	540	MR96 0001M	610	MR44 0001M	970	50mV	MR72 0050S	540	MR96 0050S	610	MR44 0050S	970
100mA	MR72 0100M	560	MR96 0100M	630	MR44 0100M	970	75mV	MR72 0075S	540	MR96 0075S	610	MR44 0075S	970
500mA	MR72 0500M	560	MR96 0500M	630	MR44 0500M	970	10V	MR72 0010V	560	MR96 0010V	630	MR44 0010V	970
1A	MR72 0001A	560	MR96 0001A	630	MR44 0001A	970	20V	MR72 0020V	560	MR96 0020V	630	MR44 0020V	970
5A	MR72 0005A	540	MR96 0005A	610	MR44 0005A	970	30V	MR72 0030V	560	MR96 0030V	630	MR44 0030V	970
10A	MR72 0010A	560	MR96 0010A	630	MR44 0010A	970	50V	MR72 0050V	560	MR96 0050V	630	MR44 0050V	970
15A	MR72 0015A?	560	MR96 0015A?	630	MR44 0015A?	970	60V	MR72 0060V	560	MR96 0060V	630	MR44 0060V	970
20A	MR72 0020A?	570	MR96 0020A?	640	MR44 0020A?	990	100V	MR72 0100V	560	MR96 0100V	630	MR44 0100V	970
25A	MR72 0025A?	570	MR96 0025A?	640	MR44 0025A?	990	150V	MR72 0150V	560	MR96 0150V	630	MR44 0150V	970
30A	MR72 0030A?	570	MR96 0030A?	640	MR44 0030A?	990	200V	MR72 0200V	560	MR96 0200V	630	MR44 0200V	970
40A	MR72 0040A?	670	MR96 0040A?	740	MR44 0040A?	1090	300V	MR72 0300V	560	MR96 0300V	630	MR44 0300V	970
50A	MR72 0050A?	670	MR96 0050A?	740	MR44 0050A?	1090	500V	MR72 0500V	560	MR96 0500V	630	MR44 0500V	970
50mV	MR72 ****X?	540	MR96 ****X?	610	MR44 ****X?	970	600V	MR72 0600V	560	MR96 0600V	630	MR44 0600V	970
60mV	MR72 ****Y	540	MR96 ****Y	610	MR44 ****Y	970	750V	MR72 0750V	720	MR96 0750V	790	MR44 0750V	1180
75mV	MR72 ****Z	540	MR96 ****Z	610	MR44 ****Z	970	1000V	MR72 1000V	840	MR96 1000V	910	MR44 1000V	1380
Standard Packing	60 Units		36 Units		24 Units		Standard Packing	60 Units		36 Units		24 Units	

NOTE : PLEASE MENTION THE SHUNT RANGE IN PLACE OF " **** " "

ROUND SERIES

"INDOTECH" AMMETERS & MILLI AMMETERS : DC							"INDOTECH" MILLI AMMETERS & VOLTMETERS : DC						
	65mm Round		110mm Round					65mm Round		110mm Round			
RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE		RANGE	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	RANGE	
1mA	MO65 0001m	430	M110 0001m	775	50mV		50mV	MR65 0050S	410	M110 0050S	775		
5mA	MO65 0005m	430	M110 0005m	775	60mV		60mV	MR65 0060S	410	M110 0060S	775		
100mA	MO65 0100m	430	M110 0100m	775	75mV		75mV	MR65 0075S	410	M110 0075S	775		
500mA	MO65 0500m	430	M110 0500m	775	10V		10V	MR65 0010V	410	M110 0010V	775		
1A	MO65 0001A	430	M110 0001A	775	20V		20V	MR65 0020V	410	M110 0020V	775		
5A	MO65 0005A	430	M110 0005A	775	30V		30V	MR65 0030V	410	M110 0030V	775		
10A	MO65 0010A	430	M110 0010A	775	100V		100V	MR65 0100V	410	M110 0100V	775		
20A	MO65 0020A	465	M110 0020A	795	150V		150V	MR65 0150V	410	M110 0150V	775		
30A	MO65 0030A	465	M110 0030A	795	200V		200V	MR65 0200V	435	M110 0200V	795		
50mV	MO65****X	430	M110****X	775	300V		300V	MR65 0300V	435	M110 0300V	795		
60mV	MO65****Y	430	M110****Y	775	500V		500V	MR65 0500V	435	M110 0500V	795		
75mV	MO65****Z	430	M110****Z	775	600V		600V	MR65 0600V	435	M110 0600V	795		
Standard Packing	60 Units		24 Units		Standard Packing		Standard Packing	60 Units		24 Units			

"INDOTECH" MOVING COIL 90° ANALOG PANEL METERS :DC

ACRYLIC SERIES

“INDOTECH” MOVING COIL AMMETERS : DC						“INDOTECH” VOLTMETERS : DC								
RANGE	65 X 65 MM			80 X 80 MM		110 X 80 MM		RANGE	65 X 65 MM		80 X 80 MM		80 X 80 MM	
1mA	MR65 0001M	455	MR80 0001M	495	MR10 0001M	525	50mV	MR65 0050S	455	MR80 0050S	495	MR10 0050S	525	
5mA	Mr65 0005M	455	MR80 0005M	495	MR10 0005M	525	60mV	MR65 0060S	455	MR80 0060S	495	MR10 0060S	525	
10mA	MR65 0010M	455	MR80 0010M?	495	MR10 0010M?	525	75mV	MR65 0075S	455	MR80 0075S	495	MR10 0075S	525	
100mA	MR65 0100M	455	MR80 0100M	495	MR10 0100M	525	10V	MR65 0010V	455	MR80 0010V	495	MR10 0010V	525	
500mA	MR65 0500M	455	MR80 0500M	495	MR10 0500M	525	15V	MR65 0015V	455	MR80 0015V	495	MR10 0015V	525	
1A	MR65 0001A	455	MR80 0001A	495	MR10 0001A	525	20V	MR65 0020V	455	MR80 0020V	495	MR10 0020V	525	
5A	MR65 0005A	455	MR80 0005A	495	MR10 0005A	525	25V	MR65 0025V	455	MR80 0025V	495	MR10 0025V	525	
10A	MR65 0010A	470	MR80 0010A	510	MR10 0010A	545	30V	MR65 0030V	455	MR80 0030V	495	MR10 0030V	525	
15A	MR65 0015A	470	MR80 0015A	510	MR10 0015A	545	50V	MR65 0050V	455	MR80 0050V	495	MR10 0050V	525	
20A	MR65 0020A	490	MR80 0020A	530	MR10 0020A	565	60V	MR65 0060V	455	MR80 0060V	495	MR10 0060V	525	
25A	MR65 0025A	490	MR80 0025A	530	MR10 0025A	565	100V	MR65 0100V	455	MR80 0100V	495	MR10 0100V	525	
30A	MR65 0030A	490	MR80 0030A	530	MR10 0030A	545	150V	MR65 0150V	455	MR80 0150V	495	MR10 0150V	525	
50mV	MR65 ****X	455	MR80 ****X	495	MR10 ****X	525	250V	MR65 0250V	455	MR80 0250V	495	MR10 0250V	525	
60mV	MR65 ****Y	455	MR80 ****Y	495	MR10 ****Y	525	300V	MR65 0300V	455	MR80 0300V	495	MR10 0300V	525	
75mV	MR65 ****Z	455	MR80 ****Z	495	MR10 ****Z	525	500V	MR65 0500V	455	MR80 0500V	495	MR10 0500V	525	
							600V	MR65 0600V	455	MR80 0600V	495	MR10 0600V	525	
	60 Units		60 Units		60 Units			60 Units		60 Units		60 Units		

NOTE: 1. DOUBLE RANGE CAN BE PROVIDED IN MOVING COIL. METERS AT AN EXTRA COST OF Rs.125/-
2. CENTRE ZERO IN MOVING COIL METERS CAN BE SUPPLIED AT AN EXTRACOST OF Rs. 100/-
3. MICRO AMMETER DC SHALL BE QUOTED AGAINST SPECIFIC REQUIREMENTS.
4. CASE OF MR-144 METER IS MADE OF ABS.
5. THE SPARE DIALS FOR MR-72 WILL COST Rs. 15/-, FOR MR-96 Rs.20/- AND MR-144 Rs. 30/-

"INDOTECH" MOVING COIL RECTIFIER TYPE 90° ANALOG PANEL METERS :AC

SQUARE SERIES

"INDOTECH" MOVING COIL RECTIFIER TYPE AC AMMETERS							"INDOTECH" MOVING COIL RECTIFIER TYPE AC VOLTMETERS						
RANGE	72mm Square		96mm Square		144mm Square		RANGE	72mm Square		96mm Square		144mm Square	
	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.		PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
1A	CR 72 0001A	860	CR 96 0001A	950	CR 44 0001A	1230	15V	CR72 0015V	695	CR96 0015V	775	CR44 0015V	1190
5A	CR 72 0005A	860	CR 96 0005A	950	CR 44 0005A	1230	30V	CR72 0030V	695	CR96 0030V	775	CR44 0030V	1190
10A	CR 72 0010A	860	CR 96 0010A	950	CR 44 0010A	1230	50V	CR72 0050V	695	CR96 0050V	775	CR44 0050V	1190
15A	CR 72 0015A	860	CR 96 0015A	950	CR 44 0015A	1230	100V	CR72 0100V	695	CR96 0100V	775	CR44 0100V	1190
20A	CR 72 0020A	880	CR 96 0020A	970	CR 44 0020A	1230	150V	CR72 0150V	715	CR96 0150V	795	CR44 0150V	1240
30A	CR 72 0030A	880	CR 96 0030A	970	CR 44 0030A	1230	200V	CR72 0200V	715	CR96 0200V	795	CR44 0200V	1240
CTR - 1A	CR 72 ****B	860	CR 96 ****B	950	CR 44 ****B	1230	300V	CR720300V	715	CR96 0300V	795	CR44 0300V	1240
CTR - 5A	CR 72 ****C	860	CR 96 ****C	950	CR 44 ****C	1230	500V	CR72 0500V	715	CR96 0500V	795	CR44 0500V	1240
Standard Packing	60 Units		36 Units		24 Units		600V	CR72 0600V	715	CR96 0600V	795	CR44 0600V	1240
	Note : FOR CTR 1A METERS, PLEASE MENTION CT RATIO IN PLACE OF *****B FOR CTR 5A METERS, PLEASE MENTION CT RATIO IN PLACE OF *****C						Standard Packing	60 Units		36 Units		24 Units	

"INDOTECH" MOVING COIL 240° ANALOG PANEL METERS : AC

SQUARE SERIES

"INDOTECH" MOVING COIL RECTIFIER TYPE AC AMMETERS						"INDOTECH" MOVING COIL RECTIFIER TYPE AC VOLTMETERS							
RANGE	72 X 72 MM		96 X 96 MM		44 X 44 MM	RANGE	72 X 72 MM		96 X 96 MM		44 X 44 MM		
1A	QR 72 0001A	1190	QR 96 0001A	1240	QR 44 0001A	1770	15V	QR 72 0015V	1080	QR 96 0015V	1180	QR 44 0015V	1670
5A	QR 72 0005A	1190	QR 96 0005A	1240	QR 44 0005A	1770	30V	QR 72 0030V	1080	QR 96 0030V	1180	QR 44 0030V	1670
10A	QR 72 0010A	1190	QR 96 0010A	1240	QR 44 0010A	1770	50V	QR 72 0050V	1080	QR 96 0050V	1180	QR 44 0050V	1670
15A	QR 72 0015A	1190	QR 96 0015A	1240	QR 44 0015A	1770	100V	QR 72 0100V	1080	QR 96 0100V	1180	QR 44 0100V	1670
20A	QR 72 0020A	1230	QR 96 0020A	1280	QR 44 0020A	1870	150V	QR 72 0150V	1110	QR 96 0150V	1280	QR 44 0150V	1770
30A	QR 72 0030A	1230	QR 96 0030A	1280	QR 44 0030A	1870	200V	QR 72 0200V	1110	QR 96 0200V	1280	QR 44 0200V	1770
CTR - 1A	QR 72 ****B	1190	QR 96 ****B	1240	QR 44 ****B	1770	300V	QR 72 0300V	1110	QR 96 0300V	1280	QR 44 0300V	1770
CTR - 5A	QR 72 ****C	1190	QR 96 ****C	1240	QR 44 ****C	1770	500V	QR 72 0500V	1110	QR 96 0500V	1280	QR 44 0500V	1770
Standard Packing	60 Units		36 Units		24 Units		600V	QR 72 0600V	1110	QR 96 0600V	1280	QR 44 0600V	1770
Note : FOR CTR 1A METERS, PLEASE MENTION CT RATIO IN PLACE OF *****B FOR CTR 5A METERS, PLEASE MENTION CT RATIO IN PLACE OF *****C						Standard Packing	60 Units		36 Units		24 Units		11

"INDOTECH" MOVING COIL 240° ANALOG PANEL METERS : DC

SQUARE SERIES

"INDOTECH" AMMETERS & MILLI AMMETERS : DC							"INDOTECH" MILLI VOLTMETERS & VOLTMETERS : DC						
RANGE	72mm Square		96mm Square		144mm Square		RANGE	72mm Square		96mm Square		144mm Square	
	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.		PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
1mA	TR 72 0001m	910	TR 96 0001m	1030	TR 44 0001m	1485	50mV	TR 72 0050S	910	TR 96 0050S	1030	TR 44 0050S	1485
5mA	TR 72 0005m	910	TR 96 0005m	1030	TR 44 0005m	1485	60mV	TR 72 0060S	910	TR 96 0060S	1030	TR 44 0060S	1485
10mA	TR 72 0010m	910	TR 96 0010m	1030	TR 44 0010m	1485	75mV	TR 72 0075S	910	TR 96 0075S	1030	TR 44 0075S	1485
100mA	TR 72 0100m	910	TR 96 0100m	1030	TR 44 0100m	1485	10V	TR 72 0010V	910	TR 96 0010V	1030	TR 44 0010V	1485
500mA	TR 72 0500m	910	TR 96 0500m	1030	TR 44 0500m	1485	15V	TR 72 0015V	910	TR 96 0015V	1030	TR 44 0015V	1485
1A	TR 72 0001A	910	TR 96 0001A	1030	TR 44 0001A	1485	20V	TR 72 0020V	910	TR 96 0020V	1030	TR 44 0020V	1485
5A	TR 72 0005A	910	TR 96 0005A	1030	TR 44 0005A	1485	25V	TR 72 0025V	910	TR 96 0025V	1030	TR 44 0025V	1485
10A	TR 72 0010A	910	TR 96 0010A	1030	TR 44 0010A	1485	30V	TR 72 0030V	910	TR 96 0030V	1030	TR 44 0030V	1485
15A	TR 72 0015A	910	TR 96 0015A	1030	TR 44 0015A	1485	50V	TR 72 0050V	910	TR 96 0050V	1030	TR 44 0050V	1485
20A	TR 72 0020A	930	TR 96 0020A	1050	TR 44 0020A	1535	60V	TR 72 0060V	910	TR 96 0060V	1030	TR 44 0060V	1485
25A	TR 72 0025A	930	TR 96 0025A	1050	TR 44 0025A	1535	100V	TR 72 0100V	910	TR 96 0100V	1030	TR 44 0100V	1485
30A	TR 72 0030A	930	TR 96 0030A	1050	TR 44 0030A	1535	150V	TR 72 0150V	940	TR 96 0150V	1060	TR 44 0150V	1535
40A	TR 72 0040A	960	TR 96 0040A	1080	TR 44 0040A	1575	200V	TR 72 0200V	940	TR 96 0200V	1060	TR 44 0200V	1535
50A	TR 72 0050A	960	TR 96 0050A	1080	TR 44 0050A	1575	250V	TR 72 0250V	940	TR 96 0250V	1060	TR 44 0250V	1535
50mV	TR 72 ****X	910	TR 96 ****X	1030	TR 44 ****X	1485	300V	TR 72 0300V	940	TR 96 0300V	1060	TR 44 0300V	1535
60mV	TR 72 ****Y	910	TR 96 ****Y	1030	TR 44 ****Y	1485	500V	TR 72 0500V	940	TR 96 0500V	1060	TR 44 0500V	1535
75mV	TR 72 ****Z	910	TR 96 ****Z	1030	TR 44 ****Z	1485	600V	TR 72 0600V	940	TR 96 0600V	1060	TR 44 0600V	1535
Standard Packing	60 Units		36 Units		24 Units		Standard Packing	60 Units		36 Units		24 Units	

NOTE : PLEASE MENTION THE SHUNT RANGE IN PLACE OF " **** "

"INDOTECH" FREQUENCY METERS

"INDOTECH" Frequency Meters are of two types :

(a) VIBRATING REED TYPE :

The element of these instruments consist of steel reeds which are in the field of an electromagnet. These reeds vibrate in resonance with the energizing A.C. Only the reed whose natural frequency corresponds with the frequency of the A.C. supply will vibrate at full amplitude indicating the correct frequency on the dial.

SPECIFICATIONS :

MODELS AVAILABLE : SR72, SR96 & SR144
 ACCURACY : Class 1.0 as per BIS-1248/03
 VA BURDEN : 3.0 VA at 230V.
 RANGES AVAILABLE : 45-50-55, or 47-50-53 Hz

(b) TRANSDUCER TYPE :

This basically consists of electronic circuit coupled with moving coil meter. Oscillator circuit gives the signal according to the frequency of supply which is indicated on the dial of the meter.

SPECIFICATIONS :

MODELS AVAILABLE : MR72, MR96 & MR144
 ACCURACY : Class 1.0 as per BIS-1248/03
 SCALE RANGE : 45-50-55 Hz
 RATED VOLTAGE : 110, 230 or 415V, AC. Single Phase.

PRICE LIST

TRANSDUCER TYPE							REED TYPE						
RANGE	72mm Square		96mm Square		144mm Square		RANGE	72mm Square		96mm Square		144mm Square	
	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.		PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
45-50-55Hz	MR724555 F	820/-	MR964555 F	1,030/-	MR444555 F	1,450/-	45-50-55Hz	SR72 4555F	585/-	SR96 4555F	635/-	SR44 4555F	940/-
Standard Packing	60 Units		36 Units		24 Units		Standard Packing	60 Units		36 Units		24 Units	

NOTE : 1. FOR DIMENSION REFER PAGE OF VOLTMETERS & AMMETERS
 2. FOR MORE DETAILS , ASK FOR ANX OF FREQ METER CATALOG

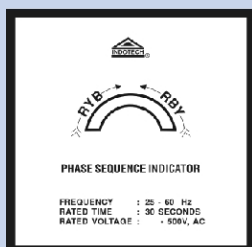
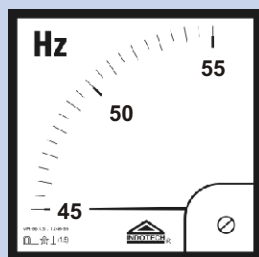
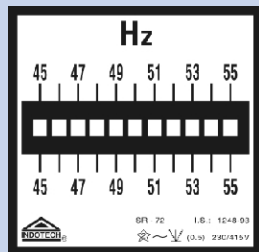
"INDOTECH" PHASE SEQUENCE INDICATORS

CONSTRUCTION : Phase sequence indicator is housed in 96 x 96 mm. square ABS moulded case with bakelite plate. Three separate leads of Red, Yellow & Blue coloured rubber sheathed clips are provided for each phase. A white disc is mounted between two synthetic sapphire jewel bearings for friction free rotation and marked with black arrow.

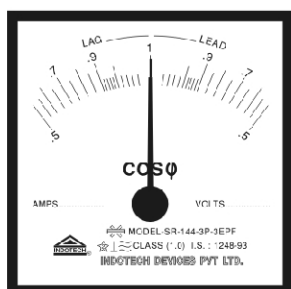
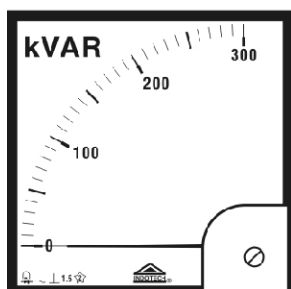
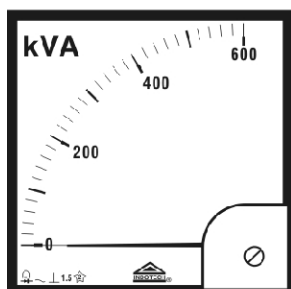
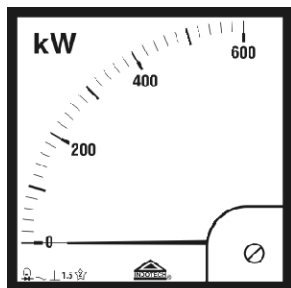
STANDARD PACKING : 36 UNITS

PRICE : Rs. 750/-

NOTE : 1. FOR MORE DETAILS , ASK FOR PHASE SEQUENCE INDICATOR CATALOG



"INDOTECH" ANALOG WATT , KVAR , KVA , & POWER FACTOR METER



"INDOTECH" FREQUENCY METRRS

GENERAL:

"INDOTECH" Watt, VA, VAR & Power Factor Meters are available in Dynamo Meter Type :

"INDOTECH" WATT / KW / MW METERS :

Wattmeters are meant for measuring effective power and are designed for single phase as well as three phase balanced & unbalanced loads.

"INDOTECH" VA/KVA/MVA METERS :

VA meters are meant for measuring Apparent Power in 3 phase systems.

"INDOTECH" VAR/KVAR/MVAR METERS :

These are used for measuring wattless component of VA in 3 phase systems.

"INDOTECH" PF METERS :

P.F. of a circuit is the ratio between the effective power & the apparent power and is measured with the help of a power factor mete

TECHNICAL SPECIFICATIONS

MODELS AVAILABLE :

96x96 & 144x144 mm Square.

ACCURACY :

Class 1.0 as per ISS 1248/03.

SCALE :

Almost linear from 1/10 to full scale in case of WATT/KW/MW, VA/KVA/MVA & VAR/KVAR/MVAR Meters & 0.5 (Lag)-1-0.5(Lead) in case of power factor meters.

TYPE :

- Single element type for single phase A.C. measurements.
- Single element type for 3 phase balanced load.
- 2 elements type for 3 phase 3 wire balanced & unbalanced loads.
- 3 elements type for 3 phase, 4 wire balanced & unbalanced loads.

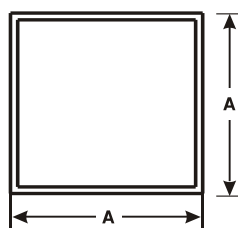
RANGE :

Current 1A or 5A & voltage upto 600V with internal resistance. Higher ranges with CT's & PT's.

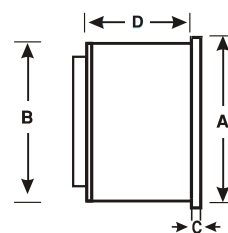
DIMENSIONS & MOUNTING ARRANGEMENTS

WATT, VA, VAR & PF METERS

MODEL	A	B	C	DYNAMO TYPE D
SR - 96 1P1E	96	90	5	130
SR - 96 3P1E	96	90	5	130
SR - 96 3P2E	96	90	5	130
SR - 96 3P3E	96	90	5	130
SR-144 1P1E	144	136	7	130
SR-144 3P1E	144	136	7	130
SR-144 3P2E	144	136	7	130
SR-144 3P3E	144	136	7	130



FRONT VIEW



SIDE VIEW

"INDOTECH" ANALOG WATT, KVAR, KVA & POWER FACTOR METERS**HOW TO SELECT RANGE**

1st ALPHABET G	: GLOBAL SERIES	5th ALPHABET	: P - POWER FACTOR , W - WATT METER
2nd ALPHABET S	: DYNAMO METER TYPE		: N - KVA , R - KVAR
3th & 4th DIGIT	: SIZE OF THE METER - 96 , 44 (FOR 144 X 144)	6th To 9th DIGIT	: RANGE OF THE METER

LAST DIGIT 'B' INDICATES 1P 1E , 1A/125V	LAST DIGIT 'F' INDICATES 3P 1E , 1A/110V	LAST DIGIT 'J' INDICATES 3P 2E , 1A/110V	LAST DIGIT 'O' INDICATES 3P 3E , 1A/110V
LAST DIGIT 'C' INDICATES 1P 1E , 1A/250V	LAST DIGIT 'G' INDICATES 3P 1E , 5A/440V	LAST DIGIT 'K' INDICATES 3P 2E , 1A/440V	LAST DIGIT 'P' INDICATES 3P 3E , 1A/440V
LAST DIGIT 'D' INDICATES 1P 1E , 5A/125V	LAST DIGIT 'H' INDICATES 3P 1E , 5A/110V	LAST DIGIT 'L' INDICATES 3P 2E , 5A/110V	LAST DIGIT 'Q' INDICATES 3P 3E , 5A/110V
LAST DIGIT 'E' INDICATES 1P 1E , 5A/250V	LAST DIGIT 'I' INDICATES 3P 1E , 5A/440V	LAST DIGIT 'N' INDICATES 3P 2E , 5A/440V	LAST DIGIT 'T' INDICATES 3P 3E , 5A/440V

"INDOTECH" ANALOG WATT , KVAR , & POWER FACTOR METERS**SQUARE SERIES**

"INDOTECH" ANALOG POWER FACTOR METER					"INDOTECH" ANALOG WATT/KW/MW METERS				
RANGE	96mm Square		144mm Square		RANGE	96mm Square		144mm Square	
	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.		PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
1P-1E					1P-1E				
1A, 250V	GS96 P****C	2250	GS44 P****C	2590	1A, 250V	GS96 W****V	2250	GS44 W****C	2590
5A, 125V	GS96 P****D	2250	GS44 P****D	2590	5A, 125V	GS96 W****X	2250	GS44 W****D	2590
5A, 250V	GS96 P****E	2250	GS96 P****E	2590	5A, 250V	GS96 W****Y	2250	GS44 W****E	2590
3P-1E					3P-1E				
1A, 110V	GS96 P****F	2590	GS44 P****F	2940	1A, 110V	GS96 W****F	2590	GS44 W****F	2940
1A, 440V	GS96 P****G	2590	GS44 P****G	2940	1A, 440V	GS96 W****G	2590	GS44 W****G	2940
5A, 110V	GS96 P****H	2590	GS44 P****H	2940	5A, 110V	GS96 W****H	2590	GS44 W****H	2940
5A, 440V	GS96 P****I	2590	GS96 P****I	2940	5A, 440V	GS96 W****I	2590	GS44 W****I	2940
3P-2E 3W					3P-2E 3W				
1A, 110V	GS96 P****J	3050	GS44 P****J	3540	1A, 110V	GS96 W****J	3050	GS44 W****J	3540
1A, 440V	GS96 P****K	3050	GS44 P****K	3540	1A, 440V	GS96 W****K	3050	GS44 W****K	3540
5A, 110V	GS96 P****L	3050	GS44 P****L	3540	5A, 110V	GS96 W****L	3050	GS44 W****L	3540
5A, 440V	GS96 P****N	3050	GS44 P****N	3540	5A, 440V	GS96 W****N	3050	GS44 W****N	3540
3P-3E 4W					3P-3E 4W				
1A, 110V	GS96 P****O	3580	GS44 P****O	3840	1A, 110V	GS96 W****O	3580	GS44 W****O	3840
1A, 440V	GS96 P****P	3580	GS44 P****P	3840	1A, 440V	GS96 W****P	3580	GS44 W****P	3840
5A, 110V	GS96 P****Q	3580	GS44 P****Q	3840	5A, 110V	GS96 W****Q	3580	GS44 W****Q	3840
5A, 440V	GS96 P****T	3580	GS44 P****T	3840	5A, 440V	GS96 W****T	3580	GS44 W****T	3840
Standard Packing	12 Units		06 Units		Standard Packing	12 Units		06 Units	
NOTE : PLEASE MENTION THE CT RATIO IN PLACE OF " **** "									

NOTE : PLEASE MENTION THE CT RATIO IN PLACE OF " **** "

"INDOTECH" ANALOG KVA/MVA METERS					"INDOTECH" ANALOG KVAR/MVAR METERS				
RANGE	96mm Square		144mm Square		RANGE	96mm Square		144mm Square	
	PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.		PRODUCT CODE	Price Rs.	PRODUCT CODE	Price Rs.
3P-2E 3W					3P-2E 3W				
1A, 110V	GS96 N****J	4380	GS44 N****J	4980	1A, 110V	GS96 R****J	3350	GS44 R****J	3980
1A, 440V	GS96 N****K	4380	GS44 N****K	4980	1A, 440V	GS96 R****K	3350	GS44 R****K	3980
5A, 110V	GS96 N****L	4380	GS44 N****L	4980	5A, 110V	GS96 R****L	3350	GS44 R****L	3980
5A, 440V	GS96 N****N	4380	GS44 N****N	4980	5A, 440V	GS96 R****N	3350	GS44 R****N	3980
3P-3E 3W					3P-3E 3W				
1A, 110V	GS96 N****O	4790	GS44 N****O	5360	1A, 110V	GS96 R****O	3750	GS44 R****O	4480
1A, 440V	GS96 N****P	4790	GS44 N****P	5360	1A, 440V	GS96 R****P	3750	GS44 R****P	4480
5A, 110V	GS96 N****Q	4790	GS44 N****Q	5360	5A, 110V	GS96 R****Q	3750	GS44 R****Q	4480
5A, 440V	GS96 N****T	4790	GS44 N****T	5360	5A, 440V	GS96 R****T	3750	GS44 R****T	4480
Standard Packing	12 Units		06 Units		Standard Packing	12 Units		06 Units	
NOTE : CENTRE ZERO SCALE IS PROVIDED AT AN EXTRA COST OF Rs. 200/- , PLEASE MENTION THE CT RATIO IN PLACE OF "****"									

NOTE : CENTRE ZERO SCALE IS PROVIDED AT AN EXTRA COST OF Rs. 200/- , PLEASE MENTION THE CT RATIO IN PLACE OF " **** "

"INDOTECH" DC METER, SHUNTS

GENERAL:

"INDOTECH" Shunts produce millivolt drop against its terminals when current is passed through it. It is used for the measurement of DC currents. These are available from 50mA to 10,000 Amp having standard millivolt drop ranging from 50mV to 200mV.

CONSTRUCTION:

"INDOTECH" External Shunts consist of manganin rods soldered or silver brazed to brass end blocks. The shunts are artificially aged after manufacture and then tested on full load. Shunts are calibrated with leads of standard resistance of 0.025 ohms. The resistance is taken into account while calibrating the shunt.

STANDARD : IS 1248

'I' TYPE 50mA to 150A (Refer fig. 1)

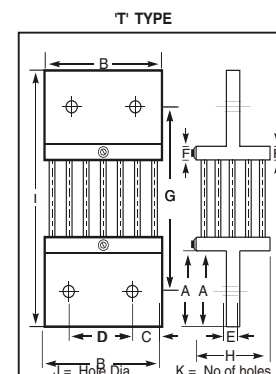
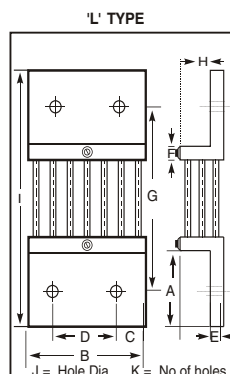
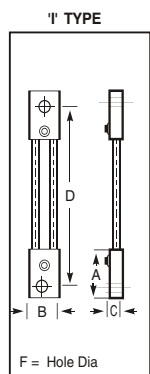
Rating	A	B	C	D	E	F
50mA-30A	28	20	8	88	100	6
40A-150A	33	20	8	80	120	8

'L' TYPE 200A to 3000A (Refer fig. 2)

Rating	A	B	C	D	E	F	G	H	I	J	K
200-300	55	30	15	--	10	10	125	30	165	12	1
400-750	55	40	20	--	10	10	125	30	165	16	1
800-1000	65	60	30	--	10	10	135	30	185	20	2
1200-1500	65	90	21	48	10	10	135	30	185	20	2
2000-3000	65	120	30	60	10	10	135	30	185	20	2

'T' TYPE 4000A to 10,000A (Refer fig. 3)

Rating	A	B	C	D	E	F	G	H	I	J	K
4000-5000	65	120	30	60	15	10	135	60	185	20	2
6000-7500	70	154	25	52	25	15	145	130	195	20	3
8000-10000	75	206	25	52	30	20	155	170	205	20	4
12500-15000	75	310	25	52	30	20	155	170	205	20	6



DIMENSIONS IN mm AS PER IS 1248 FOR 75 mV DROP SHUNTS

HOW TO SELECT RANGE

1st ALPHABET : TYPE OF SHUNT
2nd TO 5th ALPHABET 'SHNT' : SHUNT
6th TO 9th DIGIT : RANGE OF THE SHUNT

10th ALPHABET : mV DROP
'X' INDICATE : 50mV DROP
'Y' INDICATE : 60mV DROP
'Z' INDICATE : 75mV DROP

G STANDS FOR GLOBAL TYPE (DIMENSIONS AS PER IS 1248)

C STANDS FOR COMPACT TYPE (DIMENSIONS NOT AS PER ISS)

PRICE LIST GLOBAL TYPE

RANGE	PRODUCT CODE	PRICE Rs.	STD PKG (PCS.)	RANGE	PRODUCT CODE	PRICE Rs.	STD PKG (PCS.)
	75mV Drop				75mV Drop		
1A	GSHT 0001Z	210	100	400A	GSHT 0400Z	1340	50
5A	GSHT 0005Z	210	100	500A	GSHT 0500Z	1395	50
10A	GSHT 0010Z	210	100	600A	GSHT 0600Z	1470	50
15A	GSHT 0015Z	210	100	750A	GSHT 0750Z	1590	50
20A	GSHT 0020Z	210	100	800A	GSHT 0800Z	2455	25
25A	GSHT 0025Z	210	100	1000A	GSHT 1000Z	2660	25
30A	GSHT 0030Z	210	100	1200A	GSHT 1200Z	3490	25
40A	GSHT 0040Z	310	100	1500A	GSHT 1500Z	3770	25
50A	GSHT 0050Z	310	100	2000A	GSHT 2000Z	4680	25
60A	GSHT 0060Z	310	100	2500A	GSHT 2500Z	5050	25
75A	GSHT 0075Z	350	100	3000A	GSHT 3000Z	5390	10
100A	GSHT 0100Z	385	100	4000A	GSHT 4000Z	11960	10
150A	GSHT 0150Z	435	100	5000A	GSHT 5000Z	12930	5
200A	GSHT 0200Z	1030	50	6000A	GSHT 6000Z	25280	5
250A	GSHT 0250Z	1060	50	7500A	GSHT 7500Z	26650	5
300A	GSHT 0300Z	1090	50	10000A	GSHT 10000Z	47700	5

PRICE LIST COMPACT TYPE

RANGE	PRODUCT CODE	PRICE Rs.	STD PKG (PCS.)	RANGE	PRODUCT CODE	PRICE Rs.	STD PKG (PCS.)
	75mV Drop				75mV Drop		
1A	CSHT 0001Z	170	100	400A	CSHT 0400Z	940	50
5A	CSHT 0005Z	170	100	500A	CSHT 0500Z	995	50
10A	CSHT 0010Z	170	100	600A	CSHT 0600Z	1025	50
15A	CSHT 0015Z	170	100	750A	CSHT 0750Z	1340	50
20A	CSHT 0020Z	170	100	800A	CSHT 0800Z	1395	25
25A	CSHT 0025Z	170	100	1000A	CSHT 1000Z	1890	25
30A	CSHT 0030Z	170	100	1200A	CSHT 1200Z	2020	25
40A	CSHT 0040Z	240	100	1500A	CSHT 1500Z	2950	25
50A	CSHT 0050Z	240	100	2000A	CSHT 2000Z	3490	25
60A	CSHT 0060Z	240	100	2500A	CSHT 2500Z	4060	25
75A	CSHT 0075Z	255	100	3000A	CSHT 3000Z	4350	10
100A	CSHT 0100Z	310	100	4000A	CSHT 4000Z	9820	10
150A	CSHT 0150Z	360	100	5000A	CSHT 5000Z	10790	5
200A	CSHT 0200Z	710	50	6000A	CSHT 6000Z	18260	5
250A	CSHT 0250Z	740	50	7500A	CSHT 7500Z	19630	5
300A	CSHT 0300Z	780	50	10000A	CSHT 10000Z	34320	5

NOTE 1. 'I' type shunts can be supplied mounted on a bakelite base if desired.
2. Shunts are also available in 100mV, 150mV, 200mV, drop .
3. Shunts with non-standard current ratings/mV can be supplied on request.
4. All dimensions in mm

"INDOTECH" CURRENT TRANSFORMERS

GENERAL:

"INDOTECH" Current Transformer reproduces proportionate primary current on its secondary side required for extending the range of the instruments/protective devices connected in its secondary circuit. CT can also be used for isolating the devices connected in the secondary circuit from the network system into which the C.T. is connected. CT's are available in Tape Wound as well as Cast Resin type. Basically, Cts are of two types:

1. BAR PRIMARY TYPE :

Coil is wound on a toroidal core of high per-meability silicon steel. The Bar which is passed through the core, acts as single turn on the primary side and the turns on the core act as secondary. BPL CT's are available both for metering as well as for protective purposes.

(a) METERING CT's:

These CT's are meant for feeding measuring instruments. Accuracy class of the CT will be selected on the basis of the accuracy class of the instrument to be operated. When the instrument is installed far away from the CT, the secondary is chosen as 1A instead of 5A.

(b) PROTECTION CT's (PS CLASS):

These CT's are meant for operating the protective devices viz., Circuit Breakers and Relays etc. The magnitude and the nature of fault to be controlled and the electrical characteristic of the device decide the class and type of Current Transformer.

2. WOUND PRIMARY CT's :

When the ratio is low it becomes difficult to obtain good result with the single primary turn. For that purpose wound primary Ct's are used where both primary & secondary turns are wound on the toroidal core. The range available are from 5/5A to 100/5A. Also Secondary 1A can be provided. Optional mounting arrangements are provided as the CT is mounted between two bakelite plates & brass terminals are provided connections of primary & secondary.

3. CORE BALANCED CT's (CBCT'S) :

"INDOTECH" Core Balanced CT's are available to operate the Earth Leakage Relays. Indotech CBCT's are available in Tape Wound & Resin Cast Version.

LIMITS OF ERROR & PHASE DISPLACEMENT As per ISS : 2705/81

CLASS	Percentage Current Error at Percentage of Rated Current				Phase displacement in Minutes at percent of Rated Current			
	5%	20%	100%	120%	5%	20%	100%	120%
0.1	0.4	0.2	0.1	0.1	15	8	5	5
0.2	0.75	0.35	0.2	0.2	30	15	10	10
0.5	1.5	0.75	0.5	0.5	90	45	30	30
1.0	3.0	1.5	1.0	1.0	180	90	60	60

Note : There is no phase displacement test specified for class 3.0 & 5.0 CT's as per ISS : 2705/92

"INDOTECH" BAR PRIMARY LOW TENSION CURRENT TRANSFORMERS

1st ALPHABET

C - TAPE INSULATED BAR PRIMARY
R - RESIN CAST BAR PRIMARY
W - TAPE INSULATED WOUND PRIMARY
M - MOULDED CASE BAR PRIMARY ROUND
D - MOULDED CASE BAR PRIMARY RECTANGULAR DIN

HOW TO SELECT THE MODEL / RANGE

S : TAPE INSULATED BAR PRIMARY RECTANGULAR
T : RESIN CAST BAR PRIMARY RECTANGULAR

2nd TO 5th : RANGE OF CT

6th : ACCURACY CLASS - 1 FOR CLASS 1, 5
FOR CLASS 5 & 'P' FOR 5P10

7 & 8th : VA - BURDEN

9th : SECONDARY - '5' FOR 5A & '1' FOR 1A

VOLTAGE CLASS : 660 V ISS : 2705 / 92 SECONDARY : 5A
PRICE LIST

TAPE WOUND ROUND METERING CT'S							RESIN CAST ROUND METERING CT'S						
CT RATIO	PRODUCT CODE	ID	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	ID	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
30/5A	C00305055	30	5	5	290	48	30/5A	R00305055	30	3	5	525	24
40/5A	C00405055	30	5	5	290	48	40/5A	R00405055	30	3	5	525	24
50/5A	C00505055	30	5	5	290	48	50/5A	R00505055	30	3	5	525	24
60/5A	C00605055	30	5	5	290	48	60/5A	R00605055	30	3	5	525	24
75/5A	C00755055	30	5	5	290	48	75/5A	R00755055	30	3	5	525	24
100/5A	C01001055	30	1	5	305	48	100/5A	R01001055	30	1	5	525	24
150/5A	C01501055	30	1	5	315	48	150/5A	R01501055	30	1	5	540	24
200/5A	C02001105	30	1	10	320	48	200/5A	R02001105	30	1	10	555	24
250/5A	C02501105	50	1	10	325	36	250/5A	R02501105	50	1	10	570	24
300/5A	C03001105	50	1	10	330	36	300/5A	R03001105	50	1	10	585	24
400/5A	C04001155	60	1	15	345	36	400/5A	R04001155	60	1	15	655	24
500/5A	C05001155	60	1	15	360	36	500/5A	R05001155	60	1	15	675	24
600/5A	C06001155	60	1	15	375	36	600/5A	R06001155	60	1	15	690	24
800/5A	C08001155	105	1	15	395	24	800/5A	R08001155	105	1	15	820	12
1000/5A	C10001155	105	1	15	415	24	1000/5A	R10001155	105	1	15	845	12
1200/5A	C12001155	105	1	15	460	24	1200/5A	R12001155	105	1	15	870	12
1250/5A	C12501155	105	1	15	490	24	1250/5A	R12501155	105	1	15	940	12
1600/5A	C16001155	115	1	15	580	24	1600/5A	R16001155	115	1	15	1030	12
2000/5A	C20001155	115	1	15	690	24	2000/5A	R20001155	115	1	15	1150	12
2500/5A	C25001155	130	1	15	995	12	2500/5A	R25001155	130	1	15	1390	12
3000/5A	C30001155	130	1	15	1210	12	3000/5A	R30001155	130	1	15	1510	12
3200/5A	C32001155	130	1	15	1360	12	3200/5A	R32001155	130	1	15	1670	12
4000/5A	C40001155	150	1	15	1670	12	4000/5A	R40001155	150	1	15	2070	12
5000/5A	C50001155	150	1	15	2170	12	5000/5A	R50001155	150	1	15	2750	12
6000/5A	C60001155	180	1	15	2790	12	6000/5A	R60001155	180	1	15	3570	12
6300/5A	C63001155	180	1	15	3120	12	6300/5A	R63001155	180	1	15	4070	12

TAPE WOUND RECTANGULAR METERING CT'S							RESIN CAST RECTANGULAR METERING CT'S						
CT RATIO	PRODUCT CODE	BORE SIZE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	BORE SIZE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
800/5A	S08001155	105x40	1	15	520	36	800/5A	T12001155	105x40	1	15	1020	24
1000/5A	S10001155	105x40	1	15	570	24	1000/5A	T12501155	105x40	1	15	1070	24
1200/5A	S12001155	105x40	1	15	610	24	1200/5A	T12001155	105x40	1	15	1110	24
1250/5A	S12501155	105x40	1	15	660	24	1250/5A	T12501155	105x40	1	15	1160	24
1600/5A	S16001155	105x40	1	15	770	24	1600/5A	T16001155	105x40	1	15	1290	24
2000/5A	S20001155	105x40	1	15	790	24	2000/5A	T20001155	105x45	1	15	1410	24
2500/5A	S25001155	105x65	1	15	1280	24	2500/5A	T25001155	105x65	1	15	1810	24
3000/5A	S30001155	160x65	1	15	1490	12	3000/5A	T30001155	160x65	1	15	1950	12
3200/5A	S32001155	160x65	1	15	1740	12	3200/5A	T32001155	160x65	1	15	2240	12
4000/5A	S40001155	160x90	1	15	2130	12	4000/5A	T40001155	160x90	1	15	2550	12
5000/5A	S50001155	160x90	1	15	2470	12	5000/5A	T50001155	160x90	1	15	2970	12

MOULDED CASE ROUND METERING CT'S							DIN TYPE MOULDED CASE METERING CT'S						
CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	DIN SIZE	CT RATIO	PRODUCT CODE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
30/5A	M00305055	31	3	5	355	48	62/20	30/5A	D00305055	5	2.5	385	48
40/5A	M00405055	31	3	5	355	48	62/20	40/5A	D00405055	5	2.5	385	48
50/5A	M00505055	31	3	5	355	48	62/20	50/5A	D00505055	5	2.5	385	48
60/5A	M00605055	31	3	5	355	48	62/20	60/5A	D00605055	5	2.5	385	48
75/5A	M00755055	31	3	5	355	48	62/20	75/5A	D00755055	5	2.5	385	48
100/5A	M00100155	31	1	5	370	48	62/30	100/5A	D00100155	1	5	405	48
150/5A	M01501055	31	1	5	375	48	62/30	150/5A	D01501055	1	5	415	48
200/5A	M02001105	31	1	10	380	48	62/30	200/5A	D02001105	1	5	425	48
250/5A	M02501105	43	1	5	390	36	62/40	250/5A	D02501105	1	5	475	36
300/5A	M03001105	43	1	10	395	36	62/40	300/5A	D03001105	1	5	475	36
250/5A	M02501055	57	1	10	415	36	74/50	400/5A	D04001055	1	7.5	525	36
300/5A	M03001105	57	1	10	425	36	74/50	500/5A	D05001105	1	7.5	540	36
400/5A	M04001155	57	1	15	435	36	74/50	600/5A	D06001155	1	7.5	550	36
500/5A	M05001155	57	1	15	445	24	74/60	800/5A	D08001155	1	7.5	570	24
600/5A	M06001155	57	1	15	460	24	84/100	1000/5A	D10001155	1	7.5	590	24
800/5A	M08001155	85	1	15	510	24	84/100	1200/5A	D12001155	1	7.5	640	24
1000/5A	M10001155	85	1	15	525	24	84/100	1250/5A	D12501155	1	10	660	24
1200/5A	M12001155	109	1	15	640	24	84/100	1600/5A	D16001155	1	10	690	24
1250/5A	M12501155	109	1	15	655	24	138/100	1600/5A	D16001155	1	10	760	24
1600/5A	M16001155	109	1	15	710	12	138/100	2000/5A	D20001155	1	10	790	12
2000/5A	C20001155	109	1	15	820	12	138/100	2500/5A	D25001155	1	10	1270	12
2500/5A	C25001155	109	1	15	1240	12	138/100	3000/5A	D30001155	1	10	1420	12
3000/5A	C30001155	109	1	15	1290	12	138/100	3200/5A	D32001155	1	10	1640	12
3200/5A	C32001155	109	1	15	1450	12							

"INDOTECH" BAR PRIMARY PROTECTION TYPE CURRENT TRANSFORMERS

RATED BURDEN : 15VA
VOLTAGE CLASS : 660V

INSULATION LEVEL : 0.66/3KV
ISS : 2705/92

ACCURACY CLASS : 5P-10
ACC LIMIT FACTOR : 10

TAPE WOUND ROUND PROTECTION CT'S (BPL)

RESIN CAST ROUND PROTECTION CT'S (BPL)

SECONDARY : 5A					SECONDARY : 5A				
CT RATIO	PRODUCT CODE	ID	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	ID	PRICE Rs.	STANDARD PACKING (PCS.)
200/5A	C0200 P155	50	890	24	200/5A	R0200 P155	50	1390	24
250/5A	C0250 P155	50	920	24	250/5A	R0250 P155	50	1420	24
300/5A	C0300 P155	50	950	24	300/5A	R0300 P155	50	1450	24
400/5A	C0400 P155	60	970	24	400/5A	R0400 P155	60	1470	24
500/5A	C0500 P155	75	1060	24	500/5A	R0500 P155	75	1560	24
600/5A	C0600 P155	75	1090	24	600/5A	R0600 P155	75	1590	24
800/5A	C0800 P155	105	1120	12	800/5A	R0800 P155	105	1620	12
1000/5A	C1000 P155	105	1160	12	1000/5A	R1000 P155	105	1660	12
1200/5A	C1200 P155	105	1190	12	1200/5A	R1200 P155	105	1690	12
1600/5A	C1600 P155	115	1230	12	1600/5A	R1600 P155	115	1730	12
2000/5A	C2000 P155	115	1425	12	2000/5A	R2000 P155	115	1920	12
2500/5A	C2500 P155	130	2140	12	2500/5A	R2500 P155	130	2640	12
3200/5A	C3200 P155	130	2690	12	3200/5A	R3200 P155	130	3190	12

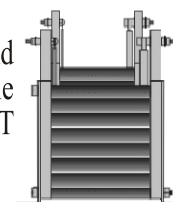
TAPE WOUND RECTANGULAR PROTECTION CT'S

RESIN CAST RECTANGULAR PROTECTION CT'S

CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
800/5A	S0800P155	105x40	1	15	1390	24	800/5A	T1200P155	105x40	1	15	2190	12
1000/5A	S1000P155	105x40	1	15	1440	24	1000/5A	T1250P155	105x40	1	15	2340	12
1200/5A	S1200P155	105x40	1	15	1470	24	1200/5A	T1200P155	105x40	1	15	2390	12
1250/5A	S1250P155	105x40	1	15	1510	24	1250/5A	T1250P155	105x40	1	15	2420	12
1600/5A	S1600P155	105x40	1	15	1550	24	1600/5A	T1600P155	105x40	1	15	2460	12
2000/5A	S2000P155	105x60	1	15	1740	24	2000/5A	T2000P155	115x40	1	15	2660	12
2500/5A	S2500P155	105x60	1	15	1940	24	2500/5A	T2500P155	105x65	1	15	2750	12
3000/5A	S3000P155	160x65	1	15	2240	12	3000/5A	T3000P155	160x65	1	15	3040	12
3200/5A	S3200P155	160x65	1	15	2390	12	3200/5A	T3200P155	160x65	1	15	3310	12
4000/5A	S4000P155	160x90	1	15	2590	12	4000/5A	T4000P155	160x90	1	15	3990	12
5000/5A	S5000P155	160x90	1	15	3250	12	5000/5A	T5000P155	160x90	1	15	4610	12

"INDOTECH" WOUND PRIMARY LOW TENSION CURRENT TRANSFORMERS

When the ratio is low it becomes difficult to obtain good results with the single primary turn. For that purpose wound primary CT's are used where both primary and secondary turns are wound on the torroidal core. The ranges available are from 5/5A to 100/5A. Also Secondary 1A can be provided. Optional mounting arrangements are provided as the CT is mounted between two bakelite plates and brass terminals are provided for connections of primary & secondary.



WOUND PRIMARY LOW TENSION TAPE WOUND METERING CT'S

RATED BURDEN : 15VA CLASS 1:0 SECONDARY : 5A

CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.
5/5A	W 0051155	940	20/5A	W 00201155	940	50/5A	W 00501155	1120	100/5A	W 01001155	1320
10/5A	W 00101155	940	30/5A	W 00301155	1040	60/5A	W 00601155	1120			
15/5A	W 00151155	940	40/5A	W 00401155	1040	75/5A	W 00751155	1250			
STANDARD PACKING	12 Units		STANDARD PACKING	12 Units		STANDARD PACKING	12 Units		STANDARD PACKING	12 Units	

"INDOTECH" CORE BALANCED CURRENT TRANSFORMERS (CBCT ' S)

"INDOTECH" Core Balanced CT 's are available to operate the Earth Leakage Relays .
"INDOTECH" CBCT 's are available in Tape Wound & Resin Cast Versions.

SPECIFICATION :-

System Voltage : 720 V Maximum
Insulation Voltage : 3 kV for 1 min
System Frequency : 50 Hz
Max Current : 1 KA Continuous
5 KA for 1.5 sec
Terminal Conductor : < 2.5mm
Current Ratio : 1/1000, 1/ 600 any other on request

Distance Between : < 50 meters
Toroid and Relay
Operating Temperature : -20° C to + 70 °C
Humidity : < 95 % RH
Enclosure : Flame Retardant Glass Filled ABS
Complaint with : IEC 44 - 1 & IEC 185
Mounting : Four Fixing Holes

ID	TAPE WOUND	PRICE Rs.	ID	RESIN CAST	PRICE Rs.
35mm	TWCBCT035	935	35mm	RCCBCT035	1270
70mm	TWCBCT070	1150	70mm	RCCBCT070	1550
120mm	TWCBCT120	1790	120mm	RCCBCT120	2190
210mm	TWCBCT210	3080	210mm	RCCBCT210	3580

STANDARD PACKING: 12 Units

STANDARD PACKING: 12 Units

PRICE LIST

TAPE WOUND ROUND METERING CT'S CTR :1A							RESIN CAST ROUND METERING CT'S CTR :1A						
CT RATIO	PRODUCT CODE	ID	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	ID	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
30/1A	C00305051	30	5	5	350	48	30/1A	R00305051	30	3	5	630	24
40/1A	C00405051	30	5	5	350	48	40/1A	R00405051	30	3	5	630	24
50/1A	C00505051	30	5	5	350	48	50/1A	R00505051	30	3	5	630	24
60/1A	C00605051	30	5	5	350	48	60/1A	R00605051	30	3	5	630	24
75/1A	C00755051	30	5	5	350	48	75/1A	R00755051	30	3	5	630	24
100/1A	C01001051	30	1	5	365	48	100/1A	R01001051	30	1	5	630	24
150/1A	C01501051	30	1	5	375	48	150/1A	R01501051	30	1	5	645	24
200/1A	C02001101	30	1	10	385	48	200/1A	R02001101	30	1	10	655	24
250/1A	C02501101	50	1	10	390	36	250/1A	R02501101	50	1	10	670	24
300/1A	C03001101	50	1	10	395	36	300/1A	R03001101	50	1	10	685	24
400/1A	C04001151	60	1	15	415	36	400/1A	R04001151	60	1	15	785	24
500/1A	C05001151	60	1	15	430	36	500/1A	R05001151	60	1	15	805	24
600/1A	C06001151	60	1	15	445	36	600/1A	R06001151	60	1	15	825	24
800/1A	C08001151	105	1	15	465	24	800/1A	R08001151	105	1	15	985	12
1000/1A	C10001151	105	1	15	495	24	1000/1A	R10001151	105	1	15	1015	12
1200/1A	C12001151	105	1	15	555	24	1200/1A	R12001151	105	1	15	1040	12
1250/1A	C12501151	105	1	15	585	24	1250/1A	R12501151	105	1	15	1125	12
1600/1A	C16001151	115	1	15	695	24	1600/1A	R16001151	115	1	15	1235	12
2000/1A	C20001151	115	1	15	825	24	2000/1A	R20001151	115	1	15	1380	12
2500/1A	C25001151	130	1	15	1190	12	2500/1A	R25001151	130	1	15	1665	12
3000/1A	C30001151	130	1	15	1450	12	3000/1A	R30001151	130	1	15	1795	12
3200/1A	C32001151	130	1	15	1630	12	3200/1A	R32001151	130	1	15	1995	12
4000/1A	C40001151	150	1	15	1995	12	4000/1A	R40001151	150	1	15	2480	12
5000/1A	C50001151	150	1	15	2595	12	5000/1A	R50001151	150	1	15	3280	12
6000/1A	C60001151	180	1	15	3340	12	6000/1A	R60001151	180	1	15	4280	12
6300/1A	C63001151	180	1	15	3740	12	6300/1A	R63001151	180	1	15	4880	12
TAPE WOUND RECTUNGULAR METERING CT'S CTR : 1A							RESIN CAST RECTUNGULAR METERING CT'S CTR : 1A						
CT RATIO	PRODUCT CODE	BORE SIZE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	BORE SIZE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
800/1A	S08001151	105x40	1	15	625	36	800/1A	T12001151	105x40	1	15	1220	24
1000/1A	S10001151	105x40	1	15	625	24	1000/1A	T12501151	105x40	1	15	1270	24
1200/1A	S12001151	105x40	1	15	730	24	1200/1A	T12001151	105x40	1	15	1330	24
1250/1A	S12501151	105x40	1	15	780	24	1250/1A	T12501151	105x40	1	15	1380	24
1600/1A	S16001151	105x40	1	15	920	24	1600/1A	T16001151	105x40	1	15	1540	24
2000/1A	S20001151	105x40	1	15	940	24	2000/1A	T20001151	105x45	1	15	1680	24
2500/1A	S25001151	105x65	1	15	1530	24	2500/1A	T25001151	105x65	1	15	2150	24
3000/1A	S30001151	160x65	1	15	1780	12	3000/1A	T30001151	160x65	1	15	2340	12
3200/1A	S32001151	160x65	1	15	2080	12	3200/1A	T32001151	160x65	1	15	2680	12
4000/1A	S40001151	160x90	1	15	2550	12	4000/1A	T40001151	160x90	1	15	3050	12
5000/1A	S50001151	160x90	1	15	2960	12	5000/1A	T50001151	160x90	1	15	3550	12
MOULDED CASE ROUND METERING CT'S CTR :1A							DIN TYPE MOULDED CASE METERING CT'S CTR : 1A						
CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	DIN SIZE	CT RATIO	PRODUCT CODE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
30/1A	M00305051	31	3	5	425	48	62/20	30/1A	D00305051	5	2.5	460	48
40/1A	M00405051	31	3	5	425	48	62/20	40/1A	D00405051	5	2.5	460	48
50/1A	M00505051	31	3	5	425	48	62/20	50/1A	D00505051	5	2.5	460	48
60/1A	M00605051	31	3	5	425	48	62/20	60/1A	D00605051	5	2.5	460	48
75/1A	M00755051	31	3	5	425	48	62/20	75/1A	D00755051	5	2.5	460	48
100/1A	M00100151	31	1	5	440	48	62/30	100/1A	D00100151	1	5	480	48
150/1A	M01501051	31	1	5	445	48	62/30	150/1A	D01501051	1	5	490	48
200/1A	M02001101	31	1	10	450	48	62/30	200/1A	D02001101	1	5	505	48
250/1A	M02501101	43	1	5	455	36	62/40	250/1A	D02501101	1	5	555	36
300/1A	M03001101	43	1	10	460	36	62/40	300/1A	D03001101	1	5	575	36
250/1A	M02501051	57	1	10	480	36	74/50	400/1A	D04001051	1	7.5	625	36
300/1A	M03001101	57	1	10	490	36	74/50	500/1A	D05001101	1	7.5	640	36
400/1A	M04001151	57	1	15	505	36	74/50	600/5A	D06001151	1	7.5	650	36
500/1A	M05001151	57	1	15	515	24	74/60	800/1A	D08001151	1	7.5	670	24
600/1A	M06001151	57	1	15	530	24	84/100	1000/1A	D10001151	1	7.5	690	24
800/1A	M08001151	85	1	15	580	24	84/100	1200/1A	D12001151	1	7.5	740	24
1000/1A	M10001151	85	1	15	595	24	84/100	1250/1A	D12501151	1	10	760	24
1200/1A	M12001151	109	1	15	755	24	84/100	1600/1A	D16001151	1	10	790	24
1250/1A	M12501151	109	1	15	770	24	138/100	1600/1A	D16001151	1	10	860	24
1600/1A	M16001151	109	1	15	820	12	138/100	2000/1A	D20001151	1	10	890	12
2000/1A	C20001151	109	1	15	980	12	138/100	2500/1A	D25001151	1	10	1520	12
2500/1A	C25001151	109	1	15	1480	12	138/100	3000/1A	D30001151	1	10	1695	12
3000/1A	C30001151	109	1	15	1540	12	138/100	3200/1A	D32001151	1	10	1960	12
3200/1A	C32001151	109	1	15	1740	12							

"INDOTECH" BAR PRIMARY PROTECTION TYPE CURRENT TRANSFORMERS
RATED BURDEN : 15VA
VOLTAGE CLASS : 660V
INSULATION LEVEL : 0.66/3KV
ISS : 2705/92
ACCURACY CLASS : 5P-10
ACC LIMIT FACTOR : 10
TAPE WOUND ROUND PROTECTION CT'S (BPL)
RESIN CAST ROUND PROTECTION CT'S (BPL)
SECONDARY : 1A
SECONDARY : 1A

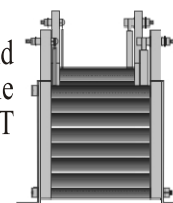
CT RATIO	PRODUCT CODE	ID	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	ID	PRICE Rs.	STANDARD PACKING (PCS.)
200/1A	C0200 P151	50	1060	24	200/1A	R0200 P151	50	1660	24
250/1A	C0250 P151	50	1095	24	250/1A	R0250 P151	50	1690	24
300/1A	C0300 P151	50	1140	24	300/1A	R0300 P151	50	1720	24
400/1A	C0400 P151	60	1160	24	400/1A	R0400 P151	60	1740	24
500/1A	C0500 P151	75	1270	24	500/1A	R0500 P151	75	1870	24
600/1A	C0600 P151	75	1295	24	600/1A	R0600 P151	75	1905	24
800/1A	C0800 P151	105	1340	12	800/1A	R0800 P151	105	1940	12
1000/1A	C1000 P151	105	1380	12	1000/1A	R1000 P151	105	1990	12
1200/1A	C1200 P151	105	1410	12	1200/1A	R1200 P151	105	2020	12
1600/1A	C1600 P151	115	1450	12	1600/1A	R1600 P151	115	2060	12
2000/1A	C2000 P151	115	1695	12	2000/1A	R2000 P151	115	2295	12
2500/1A	C2500 P151	130	2560	12	2500/1A	R2500 P151	130	3150	12
3200/1A	C3200 P151	130	3220	12	3200/1A	R3200 P151	130	3820	12

TAPE WOUND RECTUNGULAR PROTECTION CT'S
RESIN CAST RECTUNGULAR PROTECTION CT'S
SECONDARY : 1A
SECONDARY : 1A

CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)	CT RATIO	PRODUCT CODE	BORE	ACCURACY CLASS	RATED BURDEN VA	PRICE Rs.	STANDARD PACKING (PCS.)
800/1A	S0800P151	105x40	1	15	1660	24	800/1A	T1200P151	105x40	1	15	2620	12
1000/1A	S1000P151	105x40	1	15	1710	24	1000/1A	T1250P151	105x40	1	15	2790	12
1200/1A	S1200P151	105x40	1	15	1740	24	1200/1A	T1200P151	105x40	1	15	2840	12
1250/1A	S1250P151	105x40	1	15	1780	24	1250/1A	T1250P151	105x40	1	15	2870	12
1600/1A	S1600P151	105x40	1	15	1820	24	1600/1A	T1600P151	105x40	1	15	2950	12
2000/1A	S2000P151	105x60	1	15	2080	24	2000/1A	T2000P151	115x40	1	15	3180	12
2500/1A	S2500P151	105x60	1	15	2310	24	2500/1A	T2500P151	105x65	1	15	3280	12
3000/1A	S3000P151	160x65	1	15	2680	12	3000/1A	T3000P151	160x65	1	15	3640	12
3200/1A	S3200P151	160x65	1	15	2860	12	3200/1A	T3200P151	160x65	1	15	3970	12
4000/1A	S4000P151	160x90	1	15	3080	12	4000/1A	T4000P151	160x90	1	15	4780	12
5000/1A	S5000P151	160x90	1	15	3880	12	5000/1A	T5000P151	160x90	1	15	5530	12

"INDOTECH" WOUND PRIMARY LOW TENSION CURRENT TRANSFORMERS

When the ratio is low it becomes difficult to obtain good results with the single primary turn. For that purpose wound primary CT's are used where both primary and secondary turns are wound on the toroidal core. The ranges available are from 5/5A to 100/5A. Also Secondary 1A can be provided. Optional mounting arrangements are provided as the CT is mounted between two bakelite plates and brass terminals are provided for connections of primary & secondary.


WOUND PRIMARY LOW TENSION TAPE WOUND METERING CT'S
RATED BURDEN : 15VA CLASS 1:0 SECONDARY : 1A

CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.	CT RATIO	CODE WITH MOUNTING	PRICE Rs.
5/1A	W 00511551	1120	20/1A	W 00201151	1120	50/1A	W 00501151	1330	100/1A	W 01001151	1580
10/1A	W 00101151	1120	30/1A	W 00301151	1230	60/1A	W 00601151	1330			
15/1A	W 00151151	1120	40/1A	W 00401151	1230	75/1A	W 00751151	1490			
STANDARD PACKING	12 Units		STANDARD PACKING	12 Units		STANDARD PACKING	12 Units		STANDARD PACKING	12 Units	

"INDOTECH" CONTINUOUSLY VARIABLE VOLTAGE AUTO TRANSFORMERS (VARIACS)

GENERAL :

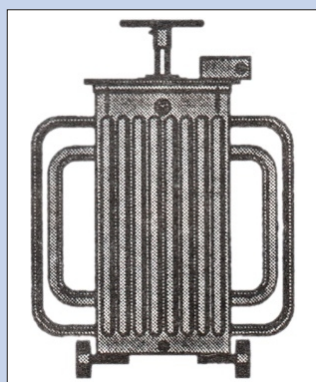
INDOTECH Continuously Variable Voltage Auto Transformer is a device that delivers the voltage from 0 to 270 volts in a Single Phase & 0 to 470 volts in 3 phase continuously without any break in output voltage. This variation is obtained by the turning of the knob in less than a complete circle rotation. These units are very compact & very economical comparing to the conventional transformers.

CONSTRUCTION :

"INDOTECH" Variacs are made of high quality strip wound cold rolled grain oriented (CRGO) steel. The core is annealed so that iron losses & no load losses are bare minimum. The track is smoothly grounded for trouble free movement of the carbon brush. The carbon brush is self adjustable to get minimised wear & tear & the brush is in full contact with the track.

RANGES :

Current ratings available are 2,4,6,8,10,15,20, & 28 Amps in Flush enclosed & Oil Cooled Models. Ranges 40,50,60,75,100,150,200,300,400,500,600,800,1000 Amps are available in Oil Cooled Models Only.



SINGLE PHASE MODELS

CURRENT RATING IN AMP	FLUSH BACK OF PANEL OPEN		PORTABLE TABLE/FLOOR MOUNTING WITH ENCLOSURE		OIL COOLED WITHOUT OIL		
	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	Approx. Oil Qty.
2	GVAR002D1F	1670	GVAR002D1P	2480			
4	GVAR004D1F	3480	GVAR004D1P	4250			
6	GVAR006D1F	3980	GVAR006D1P	4750			
8	GVAR008D1F	4350	GVAR008D1P	5350			
10	GVAR010D1F	5350	GVAR010D1P	6450			
15	GVAR015D1F	7550	GVAR015D1P	8550			
20	GVAR020D1F	9650	GVAR020D1P	10550			
28	GVAR028D1F	12850	GVAR028D1P	13750			
35	GVAR035D1F	13750	GVAR035D1P	14950			
40					GVAR040D1T	25000	55 Lit
50					GVAR050D1T	27200	90 Lit
60					GVAR060D1T	29300	100 Lit
75					GVAR075D1T	36000	120 Lit
100					GVAR100D1T	49300	180 Lit
150					GVAR150D1T	59200	195 Lit
200					GVAR200D1T	63500	210 Lit
300					GVAR300D1T	107000	300 Lit
400					GVAR400D1T	128400	350 Lit

TWO PHASE MODELS

CURRENT RATING IN AMP	FLUSH BACK OF PANEL OPEN		PORTABLE TABLE/FLOOR MOUNTING WITH ENCLOSURE		OIL COOLED WITHOUT OIL		
	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	Approx. Oil Qty.
2	GVAR002D2F	3600	GVAR002D2P	4100			
4	GVAR004D2F	6900	GVAR004D2P	7800			
8	GVAR008D2F	8900	GVAR008D2P	9900			
10	GVAR010D2F	10800	GVAR010D2P	11900			
15	GVAR015D2F	15200	GVAR015D2P	16700			
20	GVAR020D2F	19700	GVAR020D2P	22000			
28	GVAR028D2F	26200	GVAR028D2P	29300			
35	GVAR035D2F	27400	GVAR035D2P	32700			
40					GVAR040D2T	42100	90 Lit
50					GVAR050D2T	45800	95 Lit
60					GVAR060D2T	48000	100 Lit
75					GVAR075D2T	74100	180 Lit
100					GVAR100D2T	83000	205 Lit
125					GVAR125D2T	95300	225 Lit
150					GVAR150D2T	103300	300 Lit
200					GVAR200D2T	124000	350 Lit
250					GVAR250D2T	170800	400 Lit
300					GVAR300D2T	250900	800 Lit
400					GVAR400D2T	290100	900 Lit
500					GVAR500D2T	335900	1000 Lit
600					GVAR600D2T	361900	1100 Lit

THREE PHASE MODELS

CURRENT RATING IN AMP	FLUSH BACK OF PANEL OPEN		PORTABLE TABLE/FLOOR MOUNTING WITH ENCLOSURE		OIL COOLED WITHOUT OIL		
	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	Approx. Oil Qty.
2	GVAR002D3F	4400	GVAR002D3P	4800			
4	GVAR004D3F	9400	GVAR004D3P	10700			
8	GVAR008D3F	12100	GVAR008D3P	13500			
10	GVAR010D3F	14400	GVAR010D3P	16000			
15	GVAR015D3F	19400	GVAR015D3P	21400			
20	GVAR020D3F	25000	GVAR020D3P	27700			
28	GVAR028D3F	33200	GVAR028D3P	36400			
35	GVAR035D3F	34700	GVAR035D3P	37700			
40					GVAR040D3T	52800	115 Lit
50					GVAR050D3T	57400	125 Lit
60					GVAR060D3T	61400	130 Lit
75					GVAR075D3T	89000	245 Lit
100					GVAR100D3T	95800	270 Lit
150					GVAR150D3T	134800	330 Lit
200					GVAR200D3T	159100	385 Lit
300					GVAR300D3T	293200	895 Lit
400					GVAR400D3T	331300	970 Lit
500					GVAR500D3T	483200	1375 Lit
600					GVAR600D3T	521000	1475 Lit

Note : Motorised models available

"INDOTECH" INSULATION TESTERS

GENERAL :

Insulation failure is one of the most common causes of electrical breakdown . Regular testing , however will reveal insulation weakness at an early stage & before serious damage can occur . The safe & efficient operation of electrical installation depends to a large extent on materials .

"INDOTECH" Insulation testers provide the most accurate & reliable means for the direct reading of insulation resistance of Electrical machinery.

GENERAL : "INDOTECH" INSULATION TESTERS are available in hand Generator Type . These are Housed in Metal/Wooden Cases Depending Upon the ranges & requirements of the customers.

CASING	FOR VOLTAGE	CODE
Z - FOR METAL GENERATOR TYPE	500V - C	2000V - E
W- FOR WOODEN GENERATOR TYPE	1000V - D	2500V - F
		5000V - G
		GIT # ****W,X,Y,or Z
		WRITE MEG OHM IN PLACE OF *****
		WRITE VOLTAGE CODE IN PLACE OF #

RATED VOLTAGE	RATED RESISTANCE	GENERATOR TYPE				NOTE :
		METAL CODE	BODY PRICE	WOODEN BODY CODE	BODY PRICE	
500V	100MΩ	GITC00100Z	3650/-	---	---	1. Prices for Other Ranges on Request 2. Carrying case provided with Metal Body Insulation Testers . 3. Carrying Case at Extra Charge for Wooden Body Insulation Testers 4. Test Leads Provided
	200MΩ	GITC00200Z	3770/-	---	---	
	500MΩ	GITC00500Z	3890/-	---	---	
	1000MΩ	GITC01000Z	4020/-	---	---	
1000V	200MΩ	GITD00200Z	3890/-	---	---	
	500MΩ	GITD00500Z	3910/-	---	---	
	1000MΩ	GITD01000Z	4020/-	---	---	
	2000MΩ	GITD02000Z	4140/-	---	---	
2000V	2000MΩ	GITE02000Z	7260/-	GITE02000W	8350/-	
	5000MΩ	GITE05000Z	7380/-	GITE05000W	8650/-	
	10000MΩ	GITE10000Z	7620/-	GITE05000W	8950/-	
2500V	5000MΩ	GITF05000Z	7750/-	GITF05000W	9150/-	
	10000MΩ	GITF10000Z	8050/-	GITF05000W	9350/-	
5000V	5000MΩ	GITF05000Z	10,550/-	GITG10000W	10,950/-	
	10000MΩ	GITF10000Z	11,150/-	GITG10000W	12,650/-	
	20000MΩ	GITF20000Z	11,750/-	GITG20000W	13,650/-	

Note : 1. Standard Packing Discount not Available , 2. Prices for Higher Ranges , Motorised & Double Ranges on Request

"INDOTECH" EARTH TESTERS

GENERAL :

Effective earthing is fundamental to electrical plant safety . The operation of protective equipment depends upon the earth electrode resistance at sub-station, factories & plants . It is important to maintain resistance maintained within clearly defined limits .

"INDOTECH" Earth Tester is a direct reading instrument for measuring the resistance of earth electrodes for measuring the resistivity of the soil .

HOW TO SELECT THE MODEL / RANGE PRODUCT CODE FOR EARTH TESTER			EXAMPLE :
A - 2	E - 20	I - 200	FOR 3 ohm SINGLE RANGE / GETOXOYBZM
B - 3	F - 30	J - 300	FOR 50 / 500 ohm DOUBLE RANGE / GET OKGYKZM
C - 5	G - 50	K - 500	FOR 10/100/100 ohm TRIPLE RANGE / GETDXHYLZM
D - 10	H - 100	L - 1000	

CODE	RANGE IN OHMS	PRICE	PRICE	ACCESSORIES :
		3 TERMINAL METAL BODY	4 TERMINAL METAL BODY	Test Kit for 3 Terminal Type Rs. 1550/- Test Kit for 4 Terminal Type Rs. 1750/-
GET*A*B*ZM	ANY ONE SINGLE RANGE 3, 5 Ω	3950/-	4150/-	Note : 1. Prices for Other Ranges on Request 2. Carrying case provided with the Earth Tester free of cost .
	10, 20 Ω	3790/-	3990/-	
	100, 500, 1000 Ω	3650/-	3850/-	
GET*A*B*ZM	ANY ONE DOUBLE RANGE 3/30, 5/50, 10/100, 30/300, 50/500 or 100/1000	4650/-	4850/-	
GET*A*B*ZM	ANY ONE TRIPLE RANGE 2/10/100, 3/30/300, 5/50/500, or 10/100/1000	5450/-	5650/-	

"INDOTECH" DIGITAL MULTI METERS & CLAMP METERS

DIGITAL MULTIMETERS
MODEL : IDMS015

DCV : 200mV-1000V $\pm 1.0\%+3$ Digits
 ACV : 200V-750V $\pm 1.5\%+10$ Digits
 DCA : 2000 μ A-10A $\pm 2.5\%+5$ Digits
 OHM : 200 Ω -2000K Ω $\pm 1.0\%+3$ Digits
 Transistor Test : Yes
 Diode Test : Yes
 Continuity buzzer : Yes

Square wave o/p : Yes
 Power Supply : 9V 6F22
 Display Size : 46 x 14mm
 Maximum Display : 1999
 Product Size : 126x70x28mm
 Product Net Weight : 150g
 (Including Battery)
 Accessory : Testing Leads

PRICE : Rs . 440/-
STANDARD PACKING : 40 UNITS

DIGITAL MULTIMETERS
MODEL : IDMS035

DCV : 200mV-1000V $\pm 0.5\%+1$ Digits
 ACV : 2V-700V $\pm 1.2\%+3$ Digits
 DCA : 2 μ A-20A $\pm 0.8\%+3$ Digits
 ACA : 200 μ A-20A $\pm 2\%+3$ Digits
 OHM : 200 Ω -20M Ω $\pm 1.2\%+3$ Digit
 CAP : 2000P-20 μ F $\pm 2.5\%+3$ Digit
 TEMP : -50 C - 1000 C $\pm 0.75\%+1$ Digit
 FREQ : 20 KHz $\pm 1\%+1$ Digit
 Transistor Test : Yes
 Diode Test : Yes

Auto Power Off : Yes
 Lcd Display : Yes
 Continuity Buzzer : Yes
 Power Supply : 9V 6F22
 Maximum Display : 1999
 Display Size : 27x60mm
 Product Net Weight : 340g
 (Including Batteries)
 Product Size : 170x88x38mm
 Accessory : Testing Leads

PRICE : Rs . 1240/-
STANDARD PACKING : 30 UNITS

CLAMP METERS
MODEL : IDCS055

DCV:200mV-1000V $\pm 1.0\%+2$ Digits
 ACV:200V-750V $\pm 1.5\%+4$ Digits
 ACA:20A-1000A $\pm 2.5\%+5$ Digits
 OHM:200/20K/2 Ω $\pm 2.5\%+2$ Digits
 TEMP:0°C-750°C $\pm 1.5\%+2$ Digits
 Insulation Test: Yes
 Data Hold: Yes
 Power Supply : 9V 6F22

Maximum Display: 1999
 Display Size: 14x47mm
 Product Net Weight: 320g
 (Including Batteries)
 Product Size : 230x90x37mm
 Max Clamp Opening: $\varnothing$ 60mm
 Accessories: Carrying case & Testing Leads

PRICE : Rs . 1040/-
STANDARD PACKING : 20 UNITS

"INDOTECH" WALL MOUNTED ENERGY METERS

GENERAL :

We are one of the leading manufacturer of Electrical & Electronic Panel Meters & accessories for the last more than four decades . We have a team of skilled professionals who are experts in the line . The instruments are tested & gauged at every level of manufacturing to get the best performance .

MOUNTING : It is projection type which can be mounted on the wall . NO panel cut out is required .

"INDOTECH" has developed Digital kWh Meters required for the Residential , Commercial & Industrial purposes .

DESIGN :

"INDOTECH" kWh Meters are elegant in design with selective circuitry based on microcontroller technology .

DISPLAY : It is available in LCD type & Counter Type

ACCURACY : Class 1.0 as per IS 13779 - 1999

MODELS :

Available in Single phase and Three models:

1. SINGLE PHASE MODELS:

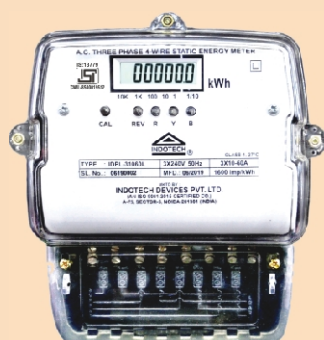
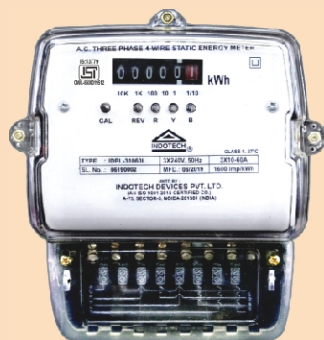
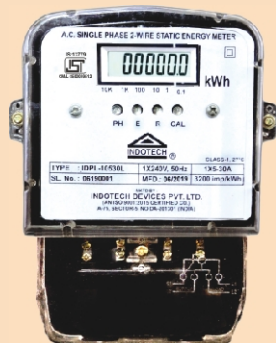
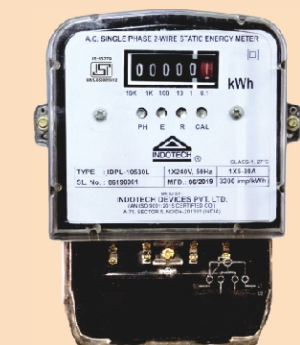
Single Phase models are available in the following ranges:

- (a) MODEL : 5-30A
- (b) MODEL : 10-40A

2. THREE PHASE MODELS:

Three Phase models are available in the following ranges:

- (a) MODEL : 10-60A
- (b) MODEL : CTR TYPE



"INDOTECH " ENERGY METERS SINGLE PHASE MODELS

Models	COUNTER TYPE		LCD TYPE	
	Code	Price	Code	Price
5 - 30 A	IKWHC0530	575/-	IKWHL0530	740/-
10 - 40 A	IKWHC1040	685/-	IKWHL1040	850/-
PACKING	24 Pcs.		24 Pcs.	

"INDOTECH " ENERGY METERS THREE PHASE MODELS

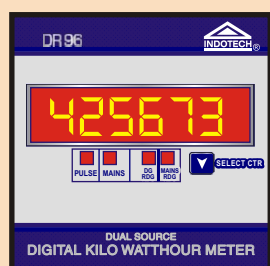
Models	COUNTER TYPE		LCD TYPE	
	Code	Price	Code	Price
10 - 60 A	IKWHC1060	1590/-	IKWHL1060	1920/-
CTR -5A	IKWHC 3CT5	1740/-	IKWHC 3CT5	2080/-
PACKING	12 Pcs.		12 Pcs.	

"INDOTECH" PANEL MOUNTED kWh & kVAh METERS

"INDOTECH" has designed Panel Mounted type kWh & kVAh Meters, with LED display .in Single Source suitable for Mains or Generator Supply & Dual Source suitable for Mains & Generator Supply .

The CT Ratio is programmable and the switch is provided under the dial of the meter. The multiple of 1000 is displayed by "K" and multiple of 1000000 is displayed by "M". The LED has six digits.

PLEASE REFER PAGE NO. 04 FOR MORE DETAILS



"INDOTECH" MINIATURE CIRCUIT BREAKERS

"INDOTECH" Miniature Circuit Breakers

- * ISI Marked.
- * Smooth tripping.
- * Heavy duty contacts to ensure longer life span.
- * Low watt loss , thus energy saving.
- * Mould made of high quality fire retardant material.
- * Sufficient gap between the poles for better cooling of contacts.
- * ON/OFF indication for safety.

CODING

- * SP : SINGLE POLE
- * SPN : SINGLE POLE WITH NAVTRAL
- * DP : DOUBLE POLE
- * TP : THREE POLE
- * TPN : THREE POLE WITH NEUTRAL
- * FP : FOUR POLE

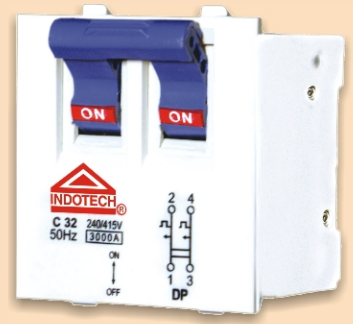

PRICE LIST
"INDOTECH" MINIATURE CIRCUIT BREAKERS (MCB)

RATING	SP		SPN		DP		TP		TPN		FP	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
6A	IMCB0SP06	130/-	IMCBSPN06	340/-	IMCB0DP06	365/-	IMCB0TP06	535/-	IMCBTPN06	690/-	IMCB0FP06	825/-
10A	IMCB0SP10	130/-	IMCBSPN10	340/-	IMCB0DP10	365/-	IMCB0TP10	535/-	IMCBTPN10	690/-	IMCB0FP10	825/-
16A	IMCB0SP16	130/-	IMCBSPN16	340/-	IMCB0DP16	365/-	IMCB0TP16	535/-	IMCBTPN16	690/-	IMCB0FP16	825/-
20A	IMCB0SP20	130/-	IMCBSPN20	340/-	IMCB0DP20	365/-	IMCB0TP20	535/-	IMCBTPN20	690/-	IMCB0FP20	825/-
25A	IMCB0SP25	130/-	IMCBSPN25	340/-	IMCB0DP25	365/-	IMCB0TP25	535/-	IMCBTPN25	690/-	IMCB0FP25	825/-
32A	IMCB0SP32	130/-	IMCBSPN32	340/-	IMCB0DP32	365/-	IMCB0TP32	535/-	IMCBTPN32	690/-	IMCB0FP32	825/-
40A	IMCB0SP40	210/-	IMCBSPN40	470/-	IMCB0DP40	495/-	IMCB0TP40	745/-	IMCBTPN40	965/-	IMCB0FP40	965/-
63A	IMCB0SP63	265/-	IMCBSPN63	610/-	IMCB0DP63	640/-	IMCB0TP63	945/-	IMCBTPN63	1225/-	IMCB0FP63	1195/-
BOX PACKING	12 Pcs.		6 Pcs.		6 Pcs.		4 Pcs.		3 Pcs.		3 Pcs.	
STANDARD PACKING	120 Pcs.		60 Pcs.		60 Pcs.		40 Pcs.		30 Pcs.		30 Pcs.	

"INDOTECH" MINIATURE CIRCUIT BREAKERS (MINI TRIP)

"INDOTECH" MINIATURE CIRCUIT BREAKERS

- * Smooth tripping.
- * Heavy duty contacts to ensure longer life span.
- * Low watt loss , thus energy saving.
- * Mould made of high quality fire retardant material.
- * Sufficient gap between the poles for better cooling of contacts.
- * ON/OFF indication for safety.


PRICE LIST

SCREW TYPE					MODULAR TYPE				
RATING	SP		DP		RATING	SP		DP	
	Code	Price	Code	Price		Code	Price	Code	Price
6A	IMCBSSP06	On Req	IMCBSDP06	On Req	6A	IMCBTSP06	On Req	IMCBTDP06	On Req
10A	IMCBSSP10	On Req	IMCBSDP10	On Req	10A	IMCBTSP10	On Req	IMCBTDP10	On Req
16A	IMCBSSP16	On Req	IMCBSDP16	On Req	16A	IMCBTSP16	On Req	IMCBTDP16	On Req
20A	IMCBSSP20	On Req	IMCBSDP20	On Req	20A	IMCBTSP20	On Req	IMCBTDP20	On Req
25A	IMCBSSP25	On Req	IMCBSDP25	On Req	25A	IMCBTSP25	On Req	IMCBTDP25	On Req
BOX PACKING	12 Pcs.		6 Pcs.		BOX PACKING	12 Pcs.		6 Pcs.	
STANDARD PACKING	120 Pcs.		60 Pcs.		STANDARD PACKING	120 Pcs.		60 Pcs.	

NOTE : PRICE WILL BE QUOTED AGAINST SPECIFIC ENQUIRIES

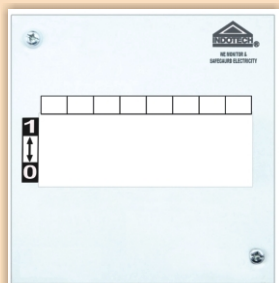
"INDOTECH" ISOLATORS & CHANGEOVER SWITCHES

"INDOTECH" ISOLATORS & CHANGEOVERS SWITCHES

- * Heavy duty contacts to ensure better life span.
- * Low watt loss , thus energy saving.
- * Mould made of high quality fire retardant material.
- * Sufficient gap between the poles for better cooling of contacts.

PRICE LIST

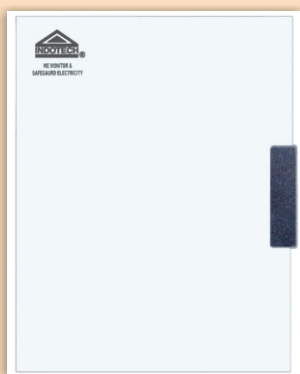
ISOLATORS							CHANGEOVERS SWITCHES				
RATING	DP		TP		FP		RATING	TWO WAY CENTRE OFF		FOUR WAY CENTRE OFF	
	Code	Price	Code	Price	Code	Price		Code	Price	Code	Price
32A	ISOLDP032	310/-	ISOLTP032	455/-	ISOLFP032	610/-	25A	ICOS2W025	545/-	ICOS4W025	1075/-
40A	ISOLDP040	355/-	ISOLTP040	525/-	ISOLFP040	695/-	32A	ICOS2W032	545/-	ICOS4W032	1075/-
63A	ISOLDP063	410/-	ISOLTP063	610/-	ISOLFP063	795/-	40A	ICOS2W040	585/-	ICOS4W040	1185/-
100A	ISOLDP100	465/-	ISOLTP100	710/-	ISOLFP100	895/-	63A	ICOS2W063	615/-	ICOS4W063	1235/-
BOX PACKING	6 Pcs.		4 Pcs.		3 Pcs.		BOX PACKING	6 Pcs.		3 Pcs.	
STANDARD PACKING	60 Pcs.		40 Pcs.		30 Pcs.		STANDARD PACKING	60 Pcs.		30 Pcs.	

"INDOTECH" MCB ENCLOSURES


PRICE LIST			
MCB SPN SINGLE DOOR ENCLOSURES			
RATING	GOLD		
	Code	Price	STANDARD PACKING
2 WAY	IENSPNM02G	235/-	24 Pcs-
4 WAY	IENSPNS04G	395/-	24 Pcs-
6 WAY	IENSPNS06G	445/-	24 Pcs-
8 WAY	IENSPNS08G	520/-	18 Pcs-
10 WAY	IENSPNS10G	585/-	18 Pcs-
12 WAY	IENSPNS12G	635/-	12 Pcs-
16 WAY	IENSPNS16G	715/-	8 Pcs-



PRICE LIST			
MCB SPN DOUBLE DOOR ENCLOSURES			
RATING	GOLD		
	Code	Price	STANDARD PACKING
4 WAY	IENSPND04G	760/-	24 Pcs-
6 WAY	IENSPND06G	870/-	24 Pcs-
8 WAY	IENSPND08G	980/-	18 Pcs-
10 WAY	IENSPND10G	1090/-	18 Pcs-
12 WAY	IENSPND12G	1190/-	12 Pcs-
16 WAY	IENSPND16G	1380/-	08 Pcs-



PRICE LIST			
MCB TPN DOUBLE DOOR ENCLOSURES			
RATING	GOLD		
	Code	Price	STANDARD PACKING
4 WAY	IENTPND04G	1780/-	06 Pcs-
6 WAY	IENTPND06G	2080/-	04 Pcs-
8 WAY	IENTPND08G	2430/-	04 Pcs-

‘INDOTECH’ PRODUCTS ARE APPROVED/USED BY :

- | | | | |
|--------|--------|------------|-----------------------|
| ● BHEL | ● NPCL | ● PDIL | ● POWER GRID |
| ● CPWD | ● NSIC | ● RCF | ● S T E E L
PLANTS |
| ● MES | ● NTPC | ● RAILWAYS | ● S U G A R
MILLS |
| ● NHPC | ● ONGC | ● RDSO | ● ETC. |

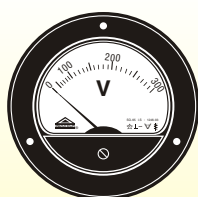
**‘INDOTECH’ PRODUCTS ARE RECOMMENDED BY
VARIOUS REPUTED ELECTRICAL CONSULTANTS .**

‘INDOTECH’ INSTRUMENTS ARE TESTED BY :

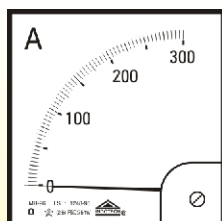
- | | |
|--------------------|---------------------------------|
| ● IDEMI , MUMBAI | ● ERDA , GURUGRAM &
VADODARA |
| ● ERTL , NEW DELHI | ● SRI RAM TEST HOUSE ,
DELHI |
| ● NPL, NEW DELHI | ● IDDC , AMBALA CANTT |
| ● EDDC , GURUGRAM | |
| ● NTH , KOLKATA | |

‘INDOTECH’ RAILWAY PRODUCTS

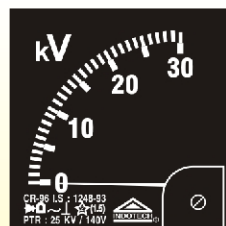
“INDOTECH” has designed some special products for Railways eg :



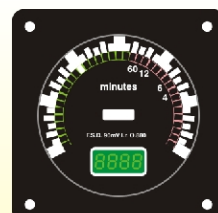
Ammeters & Voltmeters
for Battery Chargers



Ammeters & Voltmeters for
Control Panels of A.C. Coaches.



Self Illuminating Voltmeters &
Ammeters for Electric Locos.



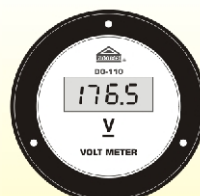
Load Ammeter Electronic
Type for Diesel Locos.



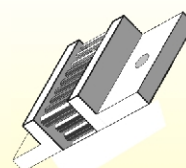
Various Type of Current
Transformers
for Railway Workshops



Load Ammeter Analag Type
for Diesel Locos.



Digital Panel Meter for
Control Panels of A.C. Coaches.



D.C. Meter shunts for Battery
Chargers & A.C. Coaches
Load Ammeter Shunts for
Electric & Diesel Locos

Our Selected Products are
Approved by
RCF & RDSO
& are used by various Railways



SERVING THE NATION SINCE 1974



NSIC

MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



INDOTECH DEVICES PVT. LTD.

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