

H METER





• MOVING IRON AC AMMETER

Size: 48 72 96 144

Class: 1.5

Specs: 0.1A 0.5A 1A 1.5A 3A 5A 7.5A 10A 15A 20A 25A 30A 50A 75-105A
(use Ex.CT 5A)

Note: for 60/75/100A direct meter, the class is 2.5.



• AC VOLTMETER

Model: 48 72 96 144

Class: 1.5

Specs: 30V 50V 75V 100V 120V 150V 250V 300V 450V 600V For 450-380KV, should be used with potential transformer secondary voltage 100V.



• MOVING COIL DC AMMETER

Model: 48 72 96 144

Class: 1.5

Specs: 25uA 50uA 1mA 2mA 5mA 10mA 20mA 30mA 50mA 75mA 100mA 150mA 200mA 250mA 300mA 500mA 1A 3A 5A 7.5A 10A 20A 30A 50A 75-105A(used with Shunt)



• DC VOLTMETER

Model: 48 72 96 144

Class: 1.5

Specs: 3V 5V 7.5V 10V 15V 20V 50V 75V 100V 120V 150V 200V 250V 300V 400V 450V 600V

Note: Over 600V should be used with Ext.Resistor.(Rated Current 5mA).



• FREQUENCY METER POINTER TYPE

Model: 48 72 96 144

Class: 1.0

Volt: 50V 100V 220V 380V

Freq: 44-55Hz 45-66Hz 55-65Hz 47-53Hz 57-63Hz 44-56Hz 450-550Hz 550-650Hz



• POWER FACTOR METER

For 3 phases circuits, balanced load 45-65Hz and for 1 phase AC 50Hz.

Model: 48 72 96 144

Class: 2.5

Voltage: 100V 380V 440V

Frequency: 50Hz 60Hz

Scale graduation: 0.5cap-1-0.5ind 0.3cap-1-0.7ind 0.4cap-1-0.4ind 0.7vap-1-0.3ind.



• POWER METER

Wattmeters or Varmeters with built-in converter for 1 phase, 3P 3W, 3P 4W.

Model: 48 72 96 144

Class: 1.5

Voltage: 50V 100V 220V 240V 220V/380V 240/415V

Current: 5A

These meters are used with potential secondary voltage 100V voltage transformet or secondary current 5A CT. wattmeters with built-in converter for 3P 3W, 3P 4W and single phase.



Frequency Meter



Maximum Demand Ammeter



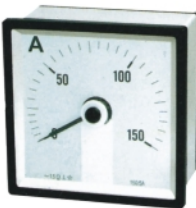
Hours meter



Synchroscope meter



Voltmeter with switch



240 deg Ammeter



240 deg Voltmeter



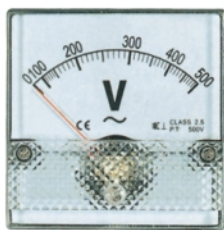
240 deg Frequency meter



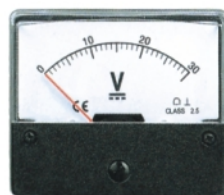
240 deg Power factor meter



240 deg Power meter



80x80



60x70



60x70



60x60



50x50



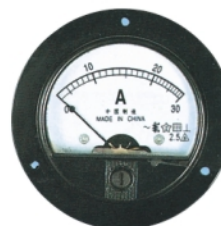
BS-45



BS-52



BS-65



BS-62T2



BS-100Y

DIGITAL VIEW METER



96x96 72x72 48x48



96x96 72x72 48x48



96x96 72x72 48x48



96x96 72x72 48x48



96x96 72x72 48x48

DIGITAL VIEW METER



96x48



96x48



96x48



96x48



96x48

DIGITAL METER WITH DIP SWITCH



72x72



96x96



96x96



96x48



96x48

MULTI-FUNCTION DIGITAL METER



96x96



96x96



96x96



96x96



DM series



DT830B

DCV: 200mV-1000V $\pm(0.5\%+2)$
 ACV: 200V-750V $\pm(1.2\%+10)$
 DCA: 200uA-10A $\pm(1\%+2)$
 OHM: 200 Ω -2000K Ω $\pm(0.8\%+2)$
 hFE: yes
 Diode Test: yes
 Power Supply: 9V 6F22
 Maximum Display: 1999
 Product Size: 126x70x28mm
 Product Net Weight: 150g



MAS830B

DCV: 200mV-600V $\pm(0.5\%+2)$
 ACV: 200V-600V $\pm(1.2\%+10)$
 DCA: 200uA-10A $\pm(1\%+2)$
 OHM: 200 Ω -2M Ω $\pm(0.8\%+2)$
 Transistor Test: yes
 Diode Test: yes
 Power Supply: 9V 6F22
 Maximum Display: 1999
 Product Size: 69x138x31mm
 Product Net Weight: 170g



DT850B

DCV: 200mV-500V $\pm(0.5\%+2)$
 ACV: 200V-500V $\pm(1.2\%+3)$
 DCA: 20uA-200mA $\pm(1\%+3)$
 OHM: 200 Ω -2000K Ω $\pm(0.8\%+3)$
 hFE: yes
 Continuity Buzzer: yes
 Diode Test: yes
 Power Supply: 1.5Vx6(AG13), GP23A
 Maximum Display: 1999
 Product Size: 95x40x10mm
 Product Net Weight: 80g



M92A

DCV: 200mV-1000V $\pm(0.5\%+1)$
 ACV: 2V-750V $\pm(0.8\%+3)$
 DCA: 200uA-10A $\pm(0.5\%+1)$
 OHM: 200 Ω -20M Ω $\pm(0.8\%+1)$
 BATT: 1.5V, 9V
 Transistor Test: yes
 Diode Test: yes
 Continuity Buzzer: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Product Size: 85x165x32mm



HY8216

DCV: 400mV-600V $\pm(0.5\%+4)$
 ACV: 400mV-600V $\pm(0.8\%+6)$
 OHM: 400 Ω -40M Ω $\pm(5\%+4)$
 CAP: 4nF-200uF $\pm(5\%+8)$
 FREQ: 9.999Hz-30MHz $\pm(1.2\%+3)$
 Diode Test: yes
 Continuity Buzzer: yes
 Data Hold: yes
 LCD display: yes
 Sleep Mode: yes
 Auto Ranging: yes
 Power: 1.5Vx2(AG12, LR43)
 Maximum Display: 4000
 Dimensions: 78x110x12mm
 Weight: approx. 50g



M890D

DCV: 200mV-1000V $\pm(0.5\%+1)$
 ACV: 2V-700V $\pm(1.2\%+3)$
 DCA: 2mA-20A $\pm(0.8\%+3)$
 ACA: 20mA-20A $\pm(2\%+3)$
 OHM: 200 Ω -200M Ω $\pm(1.2\%+3)$
 CAP: 2000pF-20uF $\pm(2.5\%+3)$
 Transistor Test: yes
 Diode Test: yes
 Continuity Buzzer: yes
 LCD Display: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Display Size: 27x60mm
 Product Net Weight: 340g
 Product Size: 88x170x38mm



HY3213

DCV: 450V $\pm(0.5\%+4)$
 ACV: 450V $\pm(0.8\%+6)$
 OHM: 2M Ω $\pm(1\%+4)$
 Diode Test: yes
 Continuity Buzzer: yes
 Data Hold: yes
 Auto Ranging: yes
 Power: 1.2Vx2(GP23A)
 Dimensions: 188x32x40mm
 Weight: approx. 80g



DT870B

DCV: 200mV-600V $\pm(0.5\%+2)$
 ACV: 200V-450V $\pm(1.2\%+10)$
 DCA: 200uA-200mA $\pm(1\%+2)$
 OHM: 200 Ω -2000K Ω $\pm(0.8\%+2)$
 hFE: yes
 Diode Test: yes
 Power Supply: 12V(GP23A)
 Maximum Display: 1999
 Product Size: 93x72x22mm
 Product Net Weight: 75g



MY60/60T

DCV: 200mV-1000V $\pm(0.5\%+1)$
 ACV: 200mV-700V $\pm(0.8\%+3)$
 DCA: 20uA-10A $\pm(0.8\%+1)$
 ACA: 200uA-10A $\pm(0.8\%+3)$
 OHM: 200 Ω -200M Ω $\pm(0.8\%+1)$
 Diode Test: yes
 Transistor Test: yes
 TEMP: -20°C-1000°C(MY60T) $\pm(1\%+1)$
 Continuity Buzzer: yes
 Auto Power OFF: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Display Size: 27x60mm
 Product Net Weight: 310g
 (Including Batteries)
 Product Size: 30x92x190mm



DT9202A

DCV: 200mV-1000V $\pm(0.5\%+1)$
 ACV: 200mV-750V $\pm(0.8\%+3)$
 DCA: 20uA-20A $\pm(0.5\%+1)$
 ACA: 200uA-10A $\pm(1\%+3)$
 OHM: 200 Ω -20M Ω $\pm(0.8\%+1)$
 Diode Test: yes
 Transistor Test: yes
 Continuity Buzzer: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Display Size: 27x60mm
 Product Net Weight: 310g
 Product Size: 191x89x35mm



DM6013

CAP: 200pF $\pm$ (0.5%rdg+1dgt+0.5PF)
 2000p/20n/200n/20u/200uF
 $\pm$ (0.5rdg+1dgt)
 2000uF $\pm$ (2%rdg+1dgt)
 20mF $\pm$ (4%rdg+1dgt)
 Dimension: 173x86x47(mm)
 Weight: approx 300g (including battery)



KT9030D

ACV: 100mV-450V, $\pm$ (1.2%+5)
 ACA: 100mA-400A, $\pm$ (1.5%+5)
 Data Hold: yes
 Diode Test: yes
 Continuity test below 600 Ω
 Dimension: 175x43x29(mm)
 Weight: approx. 200g (including battery)



2234A

Display: 10mm(0.4") LCD, max. reading 99999
 Range: 5 to 100000 RPM, $\pm$ 0.05%
 Resolution: 0.1RPM (0.5 to 999.9RPM)
 1RPM (Over 1000RPM)
 Sampling Time: 1 sec. for over to 60 RPM
 Memory: Last value, max value and min value
 Power: 4x1.5V, batteries, AA(UM3) size
 Dimension: 190x72x37mm
 Weight: 250g including batteries



DT2017

ACV: 200V-600V, $\pm$ (1.2%+5)
 ACA: 200A-600A, $\pm$ (2%+5)
 OHM: 200 Ω , $\pm$ (1.5%+2)
 Data Hold: yes
 Continuity: yes
 Dimension: 175x43x29mm
 Weight: approx. 300g (including battery)
 Dimension: 208x85x40mm



DT266

DCV: 1000V $\pm$ (0.5%+1)
 ACV: 750V $\pm$ (1%+4)
 ACA: 200A-1000A $\pm$ (2%+5)
 OHM: 200 Ω -20K Ω $\pm$ (2%+2)
 Continuity Beeper: yes
 Insulation Test: yes
 Data Hold: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Display Size: 14x47mm
 Product Net Weight: 320g
 Product Size: 230x90x37mm



DT201

DCV: 1000V $\pm$ (0.5%+1)
 ACV: 750V $\pm$ (1%+4)
 ACA: 20A-1000A $\pm$ (2%+5)
 OHM: 2K Ω -200K Ω $\pm$ (2%+2)
 Continuity Beeper: yes
 Insulation Test: yes
 Diode Test: yes
 Data Hold: yes
 Power: 9V 6F22
 Maximum Display: 1999
 Display Size: 20x47mm
 Product Net Weight: 500g
 Product Size: 237x95x40mm



2031

ACA: 0-200A $\pm$ (1.0%+4)
 Data Hold: yes
 Power: 12V A23
 Product Size: 147x59x25mm
 Product Net Weight: 100g



YX-360TRN

DCV: 100mV/500mV/2.5/10/50/250/1000V
 $\pm$ (3%+1)
 ACV: 10/50/250/1000V, $\pm$ (4%+1)
 DCA: 50u/2.5m/25m/250mA, $\pm$ (3%+1)
 OHM: x1/x10/x100/x1K/x10K, $\pm$ (3%+1)
 hFE: 0~1000 (w/TR connector)
 Power source: R6(1.5V)x2, 6F22(9V)x1
 dB: -10dB~+22dB
 Dimension: 150x100x36mm
 Weight: Approx. 250g (Including Battery)



DT486

DCV: 600V $\pm$ (0.5%+1)
 ACV: 450V $\pm$ (1%+4)
 DCA: 200A-400A $\pm$ (2%+5)
 OHM: 2K/200K Ω $\pm$ (1%+4)
 Diode Test: yes
 Continuity Beeper: yes
 Data Hold: yes
 Over range & Low battery indication
 Overload protection
 Power: 9V 6F22
 Maximum Display: 1999
 Product Net Weight: 200g
 Product Size: 198x63x28mm



DM-1006S

A small and light weight and easy to operate the product with low power consumption.
 The measuring switch can be locked, so it is very handy to make continuous measurements.
 Battery check function
 Rated Voltage/Resistance: 1000V/2000M Ω
 Effective measuring: 0~2000 M Ω , $\pm$ 5% of arc.
 AC Voltage: 0~600, $\pm$ 5% of full scale
 Dimension: 150x100x45mm
 Weight: Approx. 350g



TEA-1



JTC-905



4BIC-M



TEA-2



JTC-904



JTC-702



TEL



TC-1



JTC-703



TEA-3



TC-2



JTC-902



TDW



TC-3



JTC-903



PF-4



TE-01/02



TDA



TC-48



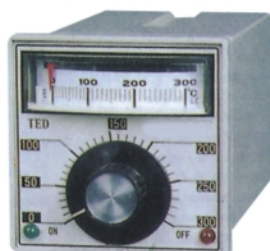
TEG



TDA-H



E5C2



TED



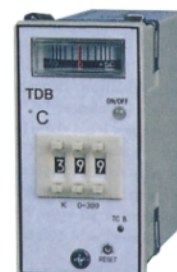
TEEE



E5C4



TED-A



TDB



XMTG



TED-4001



E8EM

• WINDOWS TYPE

Type	Rated current (A)	Rated power (VA)		Weight (kg)
		Class: 0.5	Class: 1	
MSQ-30	100/5	-	5	0,60
MSQ-30	150/5	5-10	5-10	0,60
MSQ-30	200/5	5-10	5-10	0,60
MSQ-30	250/5	5-10	5-10	0,60

Bar: 30×10mm
conductor: ϕ 20mm.



MSQ-30



MSQ-40



MSQ-60

• WINDOWS TYPE

Type	Rated current (A)	Rated power (VA)		Weight (kg)
		Class: 0.5	Class: 1	
MSQ-40	300/5	5-10	5-10	0,38
MSQ-40	400/5	5-10	5-10	0,38
MSQ-40	500/5	5-10	5-10	0,38

Bar: 40×10mm
conductor: ϕ 30mm.

• WINDOWS TYPE

Type	Rated current (A)	Rated power (VA)		Weight (kg)
		Class: 0.5	Class: 1	
MSQ-60	600/5	5-10	5-10	0,60
MSQ-60	750/5	5-10	5-10	0,60
MSQ-60	800/5	5-10	5-10	0,60
MSQ-60	1000/5	15	15	0,60

Bar: 60×20mm
conductor: ϕ 40mm.



MR-28



MR-45



MR-85

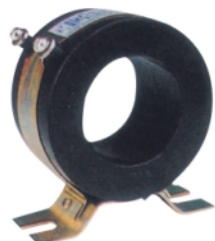
MR CURRENT TRANSFORMERS

MR series:
Class: 0.5 1.0 3.0

Type	Specification	ID(mm)	OD(mm)	TD(mm)
MR-28	30/5A-60/5A	28	70	40
MR-42	100/5A-250/5A	42	80	30
MR-45	300/5A	45	80	30
MR-60	400/5A	60	100	30
MR-60	400/5A 600/5A	60	100	30
MR-85	800/5A-1600/5	85	120	20
MR-125	2000/A-5000/5	125	165	20



CT-25



CT-60



CT-110



NSQ-30



TB



B1

• DIMENSION OF CASE UNIT:MM

Model	CT-25	CT-35	CT-60	CT-90	CT-100
A	93	93	93	93	102
B	78	78	78	78	86
V	25	32	60	90	111
D	78	78	104	136	157
E	2	2	2	2	2
F	55	55	41	41	52
G	9	9	9	9	9

• SPECIFICATION

Model	Primary/secondary
CT-25	15/5A 20/5 30/5 40/5 50/5 60/5 75/5 100/5A
CT-35	30/5 50/5 60/5 80/5 100/5 120/5 150/5 200/5 250/ 300/5A
CT-60	300/5 400/5 500/5 600/5 800/5 1000/5 1200/5A
CT-90	1000/5 1200/5 1500/5 1600/5 2000/5A
CT-110	2000/5 2500/5 3000/5 4000/5 5000/5A

NSQ CURRENT TRANSFORMER

• SPECIFICATION

Model	NSQ-30	NSQ-35	NSQ-40	NSQ-55
Ratio	30/5A TO 20/5A	100/5A TO 300/5A	200/5A TO 600/5A	400/5A TO 1000/5A
Window dimension	φ 30MM	φ 35MM	φ 40MM	φ 55MM

BELL TRANSFORMER

• APPLICATION

Provides extra low voltage up to 24V safe electrical separation between primary and secondary circuit.

• INSTALLATION

On symmetrical DIN rail in all enclosures designed for DIN standard equipment double insulated.

• TECHNICAL DATA

Specification: BS3551 Pt1, EN60742
 primary voltage: 240V AC
 secondary voltage: 4, 8, 12, 16, 24V
 power: 5VA
 short circuit: in accordance with IEC 742
 cable capacity: tunnel terminals for cable up to 6mm².

Width in 9mm modules	Power (VA)	Secondary voltage (V)
4	5	4
4	5	8
4	5	42
4	5	46
4	5	24

• 16TH EDITION IEE WIRING REGULATIONS 411-02-26(1)

When a bell transformer is installed in an enclosure with low(main) voltage equipment, 240V cable should be used on the secondary side of the transformer, or extra low voltage cable should be sheathed within the enclosure.

• APPLICATION

Type ZP is applicable for the electrical rectifying circuits turning AC to DC. Type KP is used as a controlled rectifier and a switch in AC system with frequency lower than 400Hz.

• SPECIFICATION

Type	KP10	KP20	KP50	KP100	KP200
Average through current (A)	10	20	50	100	200
Average abvers eand reverse repeat peak voltage(V)	100-1600				
Average obvers eand reverse repeat current (mA)	<1	<1	<2	<4	<4
Average through voltage (V)	≤0.8	≤0.8	≤0.8	≤0.8	≤0.9
Gate triggering current voltage (mA/V)	5-70/≤3.5	5-100/≤3.5	8-150/≤3.5	10-250/≤4	10-250/≤4

Type	ZP5	ZP20	ZP50	ZP100	ZP200
Rated obverse avenge voltage(V)	5	20	50	100	200
Reted obverse avenge voltage (V)	≤0.7	≤0.7	≤0.8	≤0.8	≤0.8
Reverse repeatpeak voltage (V)	100-1600	100-1600	100-1600	100-1600	100-1600
Average reverse repeat current (mA)	<1	<2	<4	<6	<8



ZP



KP

BSMJ CAPACITOR

• APPLICATION

BSMJ series capacitors are mainly used to increase power factor, reduce the power consumption & improve the quality of voltage in the circuit. It has features of small.

• SPECIFICATION

Type	Rated voltage (kV)	Rated capacity (kvar)	Total electricity capacity (uF)
BSMJ0.4-20-3	0.4/50Hz	20	398
BSMJ0.4-18-3	0.4/50Hz	18	358
BSMJ0.4-16-3	0.4/50Hz	16	318
BSMJ0.4-15-3	0.4/50Hz	15	298
BSMJ0.4-14-3	0.4/50Hz	14	279
BSMJ0.4-12-3	0.4/50Hz	12	239
BSMJ0.4-10-3	0.4/50Hz	10	199
BSMJ0.4-8-3	0.4/50Hz	8	159



KP



BSMJ0.4



Kinetic flange thermocouple,
thermal electrical resistance



Stationary flange thermocouple,
thermal electrical resistance



Stationary screw thread thermocouple
thermal electrical resistance



Stationary screw thread tapered
thermal electrical resistance



Mini annular threaded nail thermocouple



Mini pressure spring thermocouple



Mini applicator thermocouple,
thermal electrical resistance

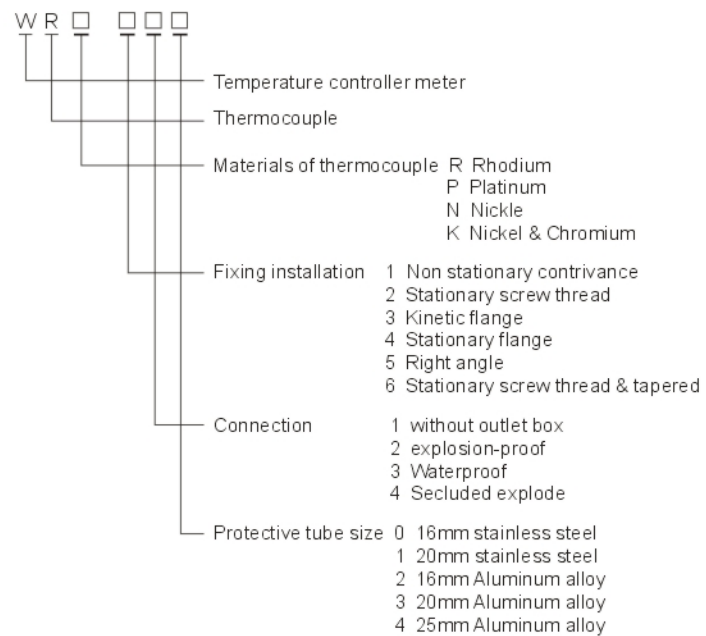


Non-stationary contrivance thermocouple,
thermal electrical resistance

WRP、WRR、WRN、WRK for single thermocouple.
WRP2、WRR2、WRN2、WRK2 for double thermocouple.
WZP、WZC for single thermal electrical resistance
WZP2、WZC2 for double thermal electrical resistance
Note: pls make sure the length (L= mm) for thermocouple
and thermal electrical
resistance when order is to be placed.

Type illustration:

1) thermocouple



2) thermal electrical resistance

