



SQUARE METER CP SERIES

Accuracy: 1.5%-2.5%

Technology: Moving Iron, Moving Coil

Description: Four sizes: 48mm, 72mm, 80mm and 96mm. Mounting depth 43mm. Multiple mounting methods: flush mount with bracket, snap-in (small sizes), mosaic board and slippage mount. Zero adjust, field replaceable scales without opening the case (90° scale)

AC Ammeters- Moving Iron (T), 90° Scale

RANGE	PART #
0-100 Milli Amps	CP-TxxA-.1A-AC-y
0-500 Milli Amps	CP-TxxA-.5A-AC-y
0-1 Amps	CP-TxxA-1A-AC-y
0-7.5 Amps	CP-TxxA-7.5A-AC-y
0-10 Amps	CP-TxxA-10A-AC-y
0-15 Amps	CP-TxxA-15A-AC-y
0-20 Amps	CP-TxxA-20A-AC-y
0-25 Amps	CP-TxxA-25A-AC-y
0-30 Amps	CP-TxxA-30A-AC-y
0-40 Amps	CP-TxxA-40A-AC-y
0-50 Amps	CP-TxxA-50A-AC-y
0-60 Amps*	CP-TxxA-60A-AC-y
0-75 Amps*	CP-TxxA-75A-AC-y
0-100 Amps*	CP-TxxA-100A-AC-y

USE OF CURRENT TRANSFORMER WITH A 5 AMP SECONDARY RECOMMENDED OVER 10AMPS

* ACCURACY 2.5 % ON HIGH CURRENT MODELS WHEN CONNECTED DIRECT WITHOUT CURRENT TRANSFORMER

EXPLOSIVE GAS ATMOSPHERE MODEL ALSO AVAILABLE (E)

AC Voltmeters- Moving Iron (T), 90° Scale

RANGE	PART #
0-30 Volts	CP-TxxV-30V-AC-y
0-50 Volts	CP-TxxV-50V-AC-y
0-75 Volts	CP-TxxV-75V-AC-y
0-100 Volts	CP-TxxV-100V-AC-y
0-120 Volts	CP-TxxV-120V-AC-y
0-150 Volts	CP-TxxV-150V-AC-y
0-200 Volts	CP-TxxV-200V-AC-y
0-250 Volts	CP-TxxV-250V-AC-y
0-450 Volts	CP-TxxV-450V-AC-y

450-450kV meters can use potential transformer with secondary voltage of 100 volts

AC Ammeters- Moving Coil w/Rectifier (L), 90° or 240° Scale

RANGE	PART #
0-500 Milli Amps	CP-LxxA-.5A-AC-y
0-1 Amps	CP-LxxA-1A-AC-y
0-1.5 Amps	CP-LxxA-1.5A-AC-y
0-3 Amps	CP-LxxA-3A-AC-y
0-5Amps	CP-LxxA-5A-AC-y
0-7.5 Amps	CP-LxxA-7.5A-AC-y
0-10 Amps	CP-LxxA-10A-AC-y
0-15 Amps	CP-LxxA-15A-AC-y
0-20 Amps	CP-LxxA-20A-AC-y

USE OF CURRENT TRANSFORMER WITH A 5 AMP SECONDARY RECOMMENDED OVER 10AMPS

* ACCURACY 2.5 % ON HIGH CURRENT MODELS WHEN CONNECTED DIRECT WITHOUT CURRENT TRANSFORMER

THESE METERS ARE SCALED IN R.M.S. VALUES, AVAILABLE 72 MM AND LARGER ONLY

AC Voltmeters- Moving Coil w/Rectifier (L), 90° or 240° Scale

RANGE	PART #
0-3 Volts	CP-LxxV-3V-AC-y
0-5 Volts	CP-LxxV-5V-AC-y
0-7.5 Volts	CP-LxxV-7.5V-AC-y
0-10 Volts	CP-LxxV-10V-AC-y
0-15 Volts	CP-LxxV-15V-AC-y
0-20 Volts	CP-LxxV-20V-AC-y
0-30 Volts	CP-LxxV-30V-AC-y
0-50 Volts	CP-LxxV-50V-AC-y
0-100 Volts	CP-LxxV-100V-AC-y
0-150 Volts	CP-LxxV-150V-AC-y
0-200 Volts	CP-LxxV-200V-AC-y
0-250 Volts	CP-LxxV-250V-AC-y
0-300 Volts	CP-LxxV-300V-AC-y
0-400 Volts	CP-LxxV-400V-AC-y
0-450 Volts	CP-LxxV-450V-AC-y

AVAILABLE 72 MM AND LARGER ONLY

FOR VOLTAGE OVER 450 VOLTS USE AN EXTERNAL RESISTOR

DC Ammeters- Moving Coil (C), 90° or 240° Scale

RANGE	PART #
0-100 Micro Amps	CP-CxxA-100uA-DC-y
0-500 Micro Amps	CP-CxxA-500uA-DC-y
0-1 Milli Amps	CP-CxxA-1mA-DC-y
0-2 Milli Amps	CP-CxxA-2mA-DC-y
0-5 Milli Amps	CP-CxxA-5mA-DC-y
0-10 Milli Amps	CP-CxxA-10mA-DC-y
0-20 Milli Amps	CP-CxxA-20mA-DC-y
0-30 Milli Amps	CP-CxxA-30mA-DC-y
0-50 Milli Amps	CP-CxxA-50mA-DC-y
0-75 Milli Amps	CP-CxxA-75mA-DC-y
0-100 Milli Amps	CP-CxxA-100mA-DC-y
0-150 Milli Amps	CP-CxxA-150mA-DC-y
0-200 Milli Amps	CP-CxxA-200mA-DC-y
0-250 Milli Amps	CP-CxxA-250mA-DC-y
0-300 Milli Amps	CP-CxxA-300mA-DC-y
0-500 Milli Amps	CP-CxxA-500mA-DC-y
0-1 Amps	CP-CxxA-1A-DC-y
0-3 Amps	CP-CxxA-3A-DC-y
0-7.5 Amps	CP-CxxA-7.5A-DC-y
0-10 Amps	CP-CxxA-10A-DC-y
0-20 Amps	CP-CxxA-20A-DC-y
0-30 Amps	CP-CxxA-30A-DC-y
0-50 Amps	CP-CxxA-50A-DC-y
0-60 Amps	CP-CxxA-60A-DC-y
0-75 Amps	CP-CxxA-75A-DC-y
0-100 Amps	CP-CxxA-100A-DC-y

* ACCURACY 2.5 % ON HIGH CURRENT MODELS WHEN CONNECTED DIRECT WITHOUT CURRENT TRANSFORMER
FOR CURRENT OVER 10 AMPS THE USE OF AN EXTERNAL SHUNT IS RECOMMENDED.

XX	INDICATES SIZE IN MM 48MM,72MM,80MM AND 96MM	Y	INDICATES MOUNTING TYPE I-FLUSH MOUNT W/BACKET II-MOSANTIC III-DIN RAIL IV-SLIPPAGE V- SCREW MOUNT
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DC Voltmeters- Moving Coil (C), 90° or 240° Scale

RANGE	PART #
0-3 Volts	CP-CxxV-3V-DC-y
0-5 Volts	CP-CxxV-5V-DC-y
0-7.5 Volts	CP-CxxV-7.5V-DC-y
0-10 Volts	CP-CxxV-10V-DC-y
0-15 Volts	CP-CxxV-15V-DC-y
0-20 Volts	CP-CxxV-20V-DC-y
0-30 Volts	CP-CxxV-30V-DC-y
0-50 Volts	CP-CxxV-50V-DC-y
0-75 Volts	CP-CxxV-75V-DC-y
0-100 Volts	CP-CxxV-100V-DC-y
0-120 Volts	CP-CxxV-120V-DC-y
0-150 Volts	CP-CxxV-150V-DC-y
0-200 Volts	CP-CxxV-200V-DC-y
0-250 Volts	CP-CxxV-250V-DC-y
0-300 Volts	CP-CxxV-300V-DC-y
0-400 Volts	CP-CxxV-400V-DC-y

FOR VOLTAGES OVER 450 VOLTS USE AN EXTERNAL RESISTOR

Frequency Meters- Moving Coil (F), 90° or 240° Scale

RANGE	PART #
45-55 Hertz	CP-Fxx-45-55H-BBB-AC-y
45-65 Hertz	CP-Fxx-45-65H-BBB-AC-y
55-65 Hertz	CP-Fxx-55-65H-BBB-AC-y
47-53 Hertz	CP-Fxx-47-53H-BBB-AC-y
57-63 Hertz	CP-Fxx-57-63H-BBB-AC-y
44-56 Hertz	CP-Fxx-44-56H-BBB-AC-y
54-66 Hertz	CP-Fxx-54-66H-BBB-AC-y
450-650 Hertz	CP-Fxx-450-650H-BBB-AC-y
550-650 Hertz	CP-Fxx-550-650H-BBB-AC-y

Power Meters- Moving Coil (W or VAR), 90° or 240° Scale

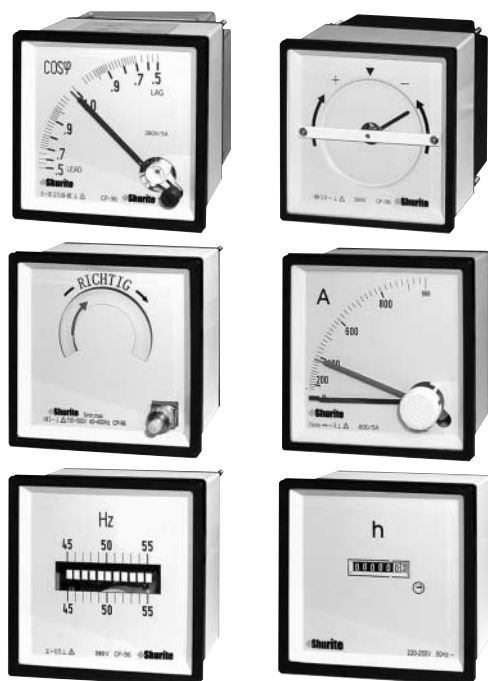
RANGE	PART #
0-50V	CP-Wxx-50V-AC-y
0-100V	CP-Wxx-100V-AC-y
0-240V	CP-Wxx-240V-AC-y
0-380V	CP-Wxx-380V-AC-y
0-400V	CP-Wxx-400V-AC-y
0-415V	CP-Wxx-415V-AC-y
220/380V	CP-Wxx-220/380V-AC-y
240/415V	CP-Wxx-240/415V-AC-y
Single phase	CP-WXX-1BBB-N-AC-Y
Three phase three wire	CP-Wxx-3P3W-BBB-N-AC-y
Three phase four wire	CP-WXX-3P4W-BBB-N-AC-Y

FOR VARIOMETER, REPLACE W WITH VAR CURRENT; 1A OR 5A

XX	INDICATES SIZE IN MM = 96,80,72,48	Y	INDICATES MOUNTING TYPE
N	FOR VARIOMETER, REPLACE W WITH VAR	I	FLUSH MOUNT W/BACKET
BBB	CURRENT: 1A OR 5A	II	MOSANTIC
	INDICATES VOLTAGE 50V,100V,240V	III	DIN RAIL
	380V,400V,415,220/380,240/415	IV	SLIPPAGE
		V	SCREW MOUNT

OTHER SPECIALTY METERS AVAILABLE:

- **Power Factor Meter – Moving Coil (P), 90° or 240° Scale, 2.5% accuracy**
- **Synchroscope Meter – (S)**
- **Sequence Indicator – (SI)**
- **Maximum Demand Ammeter with Relay Output – (AM), 3.0% accuracy**
- **Reed Type Frequency Meter – (R), Single or dual rows of reeds, 1.0% accuracy**
- **Elapsed Time Indicator – (H), hour meter, .01 resolution, 100,000 maximum**



for additional information on the
Square Meter CP Series,
 visit www.shuritemeters.com

The CP and KLY series meters
 are high precision analog electrical measuring
 instruments. They are suitable for a wide
 variety of applications including power
 distribution facilities, automated test
 equipment, machine controls and other
 applications requiring the measurement of
 current, voltage, frequency, reactive power,
 power factors, power phase and other values.
 These meters are dust and splash proof and
 are constructed with non-combustible plastic.