



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

**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**

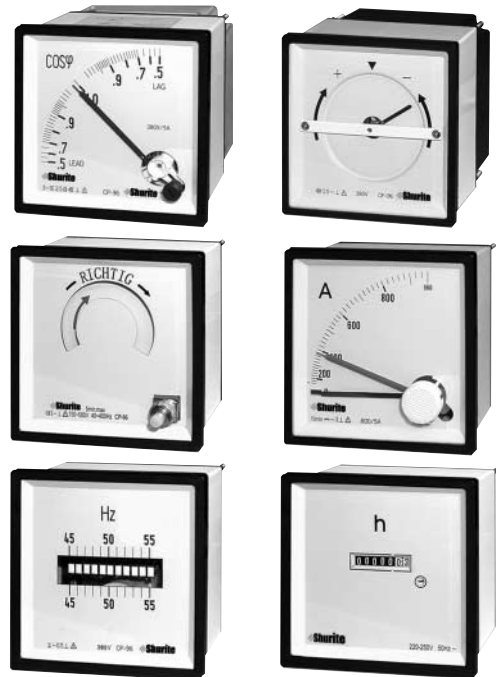
RANGE	PART #
0-50V	CP-Wxx-50V-AC-y
0-100V	CP-Wxx-100V-AC-y
0-240V	CP-Wxx-240V-AC-y
0-380V	CP-Wxx-380V-AC-y
0-400V	CP-Wxx-400V-AC-y
0-415V	CP-Wxx-415V-AC-y
220/380V	CP-Wxx-220/380V-AC-y
240/415V	CP-Wxx-240/415V-AC-y
Single phase	CP-WXX-1BBB-N-AC-Y
Three phase three wire	CP-Wxx-3P3W-BBB-N-AC-y
Three phase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

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

XX	INDICATES SIZE IN MM = 96,80,72,48	Y	INDICATES MOUNTING TYPE
	FOR VARMETER, REPLACE W WITH VAR	I	FLUSH MOUNT W/BACKET
N	CURRENT: 1A OR 5A	II	MOSANTIC
BBB	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**
- **Synchronoscope 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**


**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.

for additional information on the  
**Square Meter CP Series,**  
 visit [www.shuritemeters.com](http://www.shuritemeters.com)