



❖ **DIGITAL PORTABLE AMMETERS, VOLTMETERS, FREQUENCY METERS**



Model: R-3501P

"MECO-G" Portable Digital Ammeters, Voltmeters and frequency meters are designed for AC, DC and True RMS measurement. Single Phase Portable Digital Watt meters can measure power in single phase system with Unity Power Factor (P.F = 1.0) and Low Power Factor (P.F = 0.2). These instruments are more rugged, reliable and accurate than analog meters. They are light in weight, compact in size and stylish in design. They do not have any moving parts. Display is bright Red LED's. There is no confusion of anti-parallax scale.

A Single instrument covers a wide range, (as compared to analog meters) reducing the number of instrument required, thus saving cost and space. These instruments are much lighter in weight and easy to carry. These instruments are ideal for educational institutes.

- 3½ Digit Bright Red LED Display, 1999 (max) for Volt, Ampere and Low Power Factor Watt meters
- 3 Digit Bright Red LED Display, 999 (max) for Frequency meters
- Light Compact sleek Design
- Accurate Readings.
- High resolution as compared to analog instruments
- No moving parts thus eliminating friction, wear and tear enhancing life of instruments
- Distinct reading eliminating ambiguity in readings.
- Auxiliary supply 230V AC. (Availability of other ranges is subject to technical feasibility)

GENERAL SPECIFICATION	
Display	3½ Digit 14.2mm (0.56") Ht. Bright Red for Volts, Current, Low PF Watts. 3 Digit 14.2mm (0.56") Ht. Bright Red for Frequency.
Sampling time	0.4 Sec (approx)
Frequency Range	40-400 Hz for AC Volts. & Amp meters, 50 Hz For Watt meters.
Over range indication	'1' is Displayed in MSD for 3 ½ digit meters
Polarity	'-' is displayed for negative. No indication for positive.
Aux. power source	230VAC ± 10% (50-60Hz.)
Power Consumption	< 5VA
Operating Temperature	0° ~ 50° C
Storage Temperature	-10°C ~ 70°C.
Max. Rel. Humidity	≤ 90 % Non - Condensing.
Dielectric Strength	AC 2 KV for 1 min. between input and power terminals.
Insulation Resistance	Over 20 MΩ @ 500VDC.

MODEL: R-3501P VOLTMETERS AND AMMETERS (3½ DIGIT DISPLAY) DIRECT INPUT
DC / AC / TRMS

SINGLE RANGE		
RANGES	INPUT IMPEDANCE	RESOLUTION
199.9 uA	1KΩ	0.1 uA
1.999 mA	100Ω	0.001mA
19.99 mA	10Ω	0.01mA
199.9 mA	1Ω	0.1 mA
1.999 A	0.1Ω	0.001A
19.99 A	0.01Ω	0.01 A
199.9 mV	≥ 1MΩ	0.1 mV
1.999 V	≥ 1MΩ	0.001V
19.99V	≥ 1MΩ	0.01V
199.9V	≥ 1MΩ	0.1V
600V	≥ 1MΩ	1V

DUAL RANGE	
VOLTS	0-200mV / 0-2V, 0-2V / 0-20V, 0-20V / 0-200V, 0-200V / 600V (Any One)
CURRENT	0-200μA / 0-2mA, 0-2mA / 0-20mA, 0-20mA / 0-200mA, 0-200A / 0-2A , 0-2A / 0-20A (Any One)

MODEL : R- 4050 BP FREQUENCY METERS (3 DIGIT DISPLAY)			
RANGE	RESOLUTION	INPUT IMPEDANCE	ACCURACY
99.9 Hz	0.1 Hz	≥ 1 MΩ	0.1 Hz
999 Hz	1.0 Hz	≥ 1MΩ	1.0 Hz

Other ranges available on request (Subject to technical feasibility)		
ACCURACY	SINGLE RANGE	DOUBLE RANGE
DC VOLT	± (0.1% Rdg + 2 dgts)	± (0.5% Rdg + 2 dgts)
DC AMPS	± (0.3% Rdg + 2 dgts)	± (0.5% Rdg + 2 dgts)
AC VOLTS	± (0.5% Rdg + 3 dgts)	± (0.8% Rdg + 3 dgts)
AC AMPS	± (0.5% Rdg + 3 dgts)	± (0.8% Rdg + 3 dgts)

NOTE

WATTMETERS (3½ DIGIT DISPLAY)

MODEL: R-PDW11 SINGLE PHASE UNITY P.F WATTMETER (3½ Digit)

DIMENSIONS:
(All dimensions in mm)

