

Portable Digital Watt, VAR and P.F. meters are designed for AC True RMS measurements. Single phase Portable Digital Wattmeters can measure power in single phase systems 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 instruments required, thus saving cost and space. These instruments are much lighter in weight and easy to carry. These instruments are ideal for educational institutes, laboratories, research institutes etc.

Features

1. 3 ½ Digit Bright Red LED Display. 1999(max) for Low Power Factor Wattmeters
2. 4 ½ Digit Bright Red LED Display. 19999(max) for Unity Power Factor Wattmeters.
3. 4 Digit Bright Red LED Display. 9999(max) for Power Factor Meters.
4. Light, Compact Sleek Design.
5. Accurate Readings.
6. High resolution as compared to analog instruments.
7. No moving parts thus eliminating friction, wear and tear and enhancing life of instruments.
8. Distinct reading eliminating ambiguity in readings.
9. Auxiliary supply 230V AC. (Availability of other ranges is subject to technical feasibility)

Specification

Measuring Method	:	Dual Slope A/D Conversion
	:	Micro-controller based
Sampling Time	:	2.5 Samples Per Second.
Display Type	:	14.2mm (0.56") Red LED Super Bright Display
Maximum Display	:	1999 Counts (3½ dgt.) 19999 Counts (4½ dgt.) 9999 Counts (4 Digits)
Resolution	:	0.001 to 1 Count Depending on range
Polarity Indication	:	"-" is indicated for Negative Input. No indication for Positive Input.
Power Source	:	230VAC ± 10% (50-60Hz)
Over Range Indication	:	"1" is displayed in MSD for 3½ dgt. "0000" flashes in MSD for 4½ dgt. "-1" or "1" is displayed for 4 digit meter
Power consumption	:	<5VA
Dielectric Strength	:	AC 2KV for 1 min. between input and power terminals
Maximum Overload	:	Voltage: 1.2 times continuous Current: 2 times continuous
Frequency Response	:	50Hz
Environment	:	Calibration: 27° ± 5°C Operating: 0° ~ 50°C, RH ≤ 90 % non condensing. Storage: -10° ~ 60°C, RH ≤ 90 % non condensing.

Active Power (watt) Meters (3½ & 4½ Digit Display)

System	:	PHASE, 4 WIRE
Element	:	3
Current (Any One)	:	0-1A, 2A, 2.5A, 3A, 4A, 5A, 10A
Voltage (Any One)	:	63.5, 110, 230, 440V
Accuracy	:	±0.5% of Full Scale

Note: Specifications are subject to change.