



**R-PDW11**



**R-PDW34P**



**R-PDVAR11**

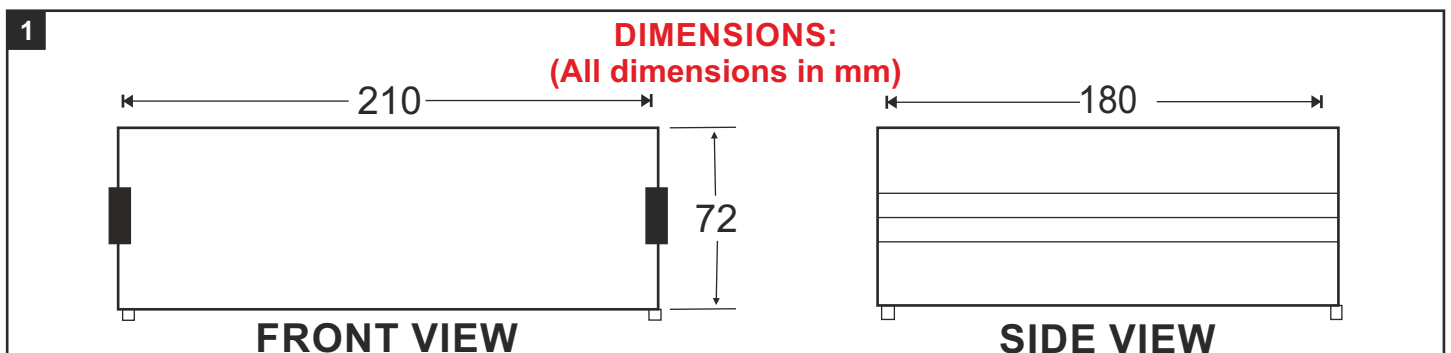
Portable Digital Watt, VAR and P.F. meters are designed for AC True RMS measurements. Single phase Portable Digital Wattmeters can measure power in single phase systems with unity Power Factor (P.F.=1.0) and Low Power Factor (P.F. = 0.2). These instruments are more rugged, reliable and accurate than 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.

### SALIENT FEATURES

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

<b>Model</b>	<b>R-PDWxx, R-PDVARxx, R-PFMxxP SERIES</b>
Measuring Method	Dual Slope A/D Conversion Micro-controller based (R-PFMxxP Series)
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) (R-PFMxxP Series)
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 (R-PFMxxP series)
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.



**MODEL: R-PDW SERIES ACTIVE POWER (WATT) METERS (3½ & 4½ DIGIT DISPLAY)**

WATT METERS					
SYSTEM	ELEMENT	CURRENT	VOLTAGE	ACCURACY	MODEL
		(Any One)	(Any One)		
SINGLE PHASE	1	0-1A, 2A, 2.5A, 3A, 4A, 5A, 10A	0-75,100,125,150, 250,300,500,600V 63.5,110,230,440V	±0.5% of Full Scale	R-PDW11 / R-PDW11L
3PHASE, 3 WIRE	2				R-PDW33
3PHASE, 4 WIRE	3				R-PDW34

**MODEL: R-PDVAR SERIES REACTIVE POWER (VAR) METERS (3½ & 4½ DIGIT DISPLAY)**

VAR METERS					
SYSTEM	ELEMENT	CURRENT	VOLTAGE	ACCURACY	MODEL
		(Any One)	(Any One)		
SINGLE PHASE	1	0-1A or 5A	0-75,100,125,150, 250,300,500,600V 63.5,110,230,440V	±0.5% of Full Scale	R-PDVAR11
3PHASE, 3 WIRE	2				R-PDVAR33
3PHASE, 4 WIRE	3				R-PDVAR34

**MODEL: R-PFM<sub>xx</sub>P SERIES POWER FACTOR (P.F.) METERS (4 DIGIT DISPLAY)**

P.F. METERS			
DISPLAY	RANGES	ACCURACY	MODEL
CURRENT	0-1A or 5A (Any One)	± 0.3% ± 4Digits	SINGLE PHASE ONE ELEMENT
VOLTAGE	63.5,110,230,440V (Any One)	± 0.3% ± 4Digits	
FREQUENCY	40-99.99Hz	± 0.1Hz	R-PFM34P
POWER FACTOR	0.2 (LEAD) - 1.0 - 0.2 (LAG)	± 2° ELECTRICAL	THREE PHASE ONE ELEMENT

Other ranges available on request. (Subject to Technical Feasibility)

**ALL OUR DIGITAL PORTABLE WATT / VAR / P.F. METERS ARE WITH EXTERNAL AUX. SUPPLY OF 230VAC**

- Note:-
- 1) For model R-PDW11, R-PDW11L, R-PDVAR11, R-PFM11P and R-PFM31P kindly refer the dimension 1 on page no. 3
  - 2) For model R-PDW33, R-PDW34, R-PDVAR33, R-PFM34 kindly refer the dimension 2 mentioned below.

