



### FEATURES

- Power measurement of Active power (KW), Reactive power (KVAR), Apparent power (KVA), Power Factor (PF), PF for 3 4W, 3 3W, 1 2W, 1 3W.
- Harmonic measurement (Level & Percentage)
- PF (Cos  $\phi$  for 3 4W, 3 3W, 1 2W, 1 3W.
- Triple display : KW, V, A easy to read, 9999 counts.
- Records each Phase parameters of V, A, KW, KVA, KVAR, PF, Hz, total 25 parameters.
- AC current up to 1000A, AC voltage up to 600V.
- INRUSH (100mS), HOLD and PEAK functions.
- MAX and MIN recorded functions.
- Balanced load system function.
- Max, conductor diameter : 46.5mm.
- Auto power off (10 mins).
- EN 61010-1 Approval Over-Voltage Category III 600V
- Power : 9 V Battery
- Accessories: Carrying case, Test leads , manual



### GENERAL SPECIFICATIONS

#### Power Measurement Accuracy

Based on sine wave input , power factor=1, 50 Hz/60Hz

#### Active Power (KW)

Range	Resolution	Accuracy
0.00 to 600.0KW	0.01KW	$\pm(2.0\% \text{ rdg} + 5\text{dgts})$

#### Apparent Power (KVA)

Range	Resolution	Accuracy
0.00 to 600.0KVA	0.01KVA	$\pm(2.0\% \text{ rdg} + 5\text{dgts})$

#### Reactive Power (KVAR)

Range	Resolution	Accuracy
0.00 to 600.0KVAR	0.01KVAR	$\pm(2.0\% \text{ rdg} + 5\text{dgts})$

#### AC CURRENT (True RMS)

Range	Resolution	Accuracy
0.0 to 1000.0A	0.1A	$\pm(1.5\% \text{ rdg} + 10\text{dgts})$ on 50Hz to 60Hz $\pm(3.5\% \text{ rdg} + 10\text{dgts})$ on 45Hz to 400Hz

#### AC Voltage (True RMS)

Range	Resolution	Accuracy
0.0 to 600.0V	0.1V	$\pm(1 \text{ rdg} + 5\text{dgts})$ on 20Hz to 100Hz $\pm(6\% \text{ rdg} + 5\text{dgts})$ on 100Hz to 400Hz

Input impedance : 1M

#### Power Factor (PF)

Range	Resolution	Accuracy
-1.000 to 0.000 0.000 to 1.000	0.001	$\pm(10\% \text{ rdg} + 0.05)$ on $\pm(0.000 \text{ to } 0.200)$ $\pm(5.0\% \text{ rdg} + 0.05)$ on $\pm(0.201 \text{ to } 0.500)$ $\pm(3.0\% \text{ rdg} + 0.05)$ on $\pm(0.501 \text{ to } 1.000)$

#### Harmonic measurement

(Effective in the voltage and current)

Measurement items : Level of each order, percentage of each order and total harmonic distortion (THD-F and THD-R)

Measurement Range : 45Hz to 65Hz

Measurement width : 1 cycle (45Hz to 65Hz),  
Data points.128 points

Orders analyzed : Up to 25th

#### Frequency

Range	Resolution	Accuracy
20.0 to 400.0Hz	0.1Hz	$\pm(0.5\% \text{ rdg} + 5\text{dgts})$

Sensitivity : Voltage > 5 Vrms  
Current > 5 Arms on 20Hz to 100Hz  
Current > 10Arms on 100Hz to 400Hz

**MODEL : 2745**

Note: All Specification are Subject to change.