



**R-27AP**



**R-27BP**

**MECO-G R-27** series is a portable multifunction power quality analyser / energy auditor / network instrument which can measure more than 50 electrical parameters in the electrical circuit.

It can measure in Single Phase, Three Phase - Three Wire and Three Phase - Four Wire systems.

Being a portable multifunction meter, it reduces the cost of procuring multiple portable equipments which are bulky in weight and also costly in price.

Model R-27BP is available with RS-485 communication interface.

This product can be used widely at Laboratories, Testing Facilities, Schools, Engineering Institutions etc, Energy Audit, Appliance Testing etc.

- Average Phase - Neutral Voltage (VL\_N)
- Average Phase - Phase Voltage (VL\_L)
- Frequency (Hz)
- Total Active Power ( $\Sigma W$ )
- Total Reactive Power ( $\Sigma var$ )
- Total Apparent Power ( $\Sigma VA$ )
- Max. Value (H)
- Min. Value (L)
- Demand Value (M)
- Phase - Neutral Voltage (VL\_N)
- Phase - Phase Voltage (VL\_L)
- Phase - Current (A)
- Total Current ( $\Sigma A$ )
- Active Power (W)
- Reactive Power (var)
- Apparent Power (VA)
- Power Factor (Cos $\phi$ )
- Active Electric Energy (Wh)
- Reactive Electric Energy (varh)

<b>INPUT</b>	Network		1Phase, 3 Phase 3 Wire, 3 Phase 4 Wire
		Rated Value	AC 110V, 230V, 440 V
	Volts	Over Load	Continuous :1.2 times, Instantaneous: 2 times <20s
		Consumption	< 1 VA each Phase
		Impedance	>500k $\Omega$
		Rated Value	AC 1A, 5A
	Current	Over load	Continuous: 1.2 times, Instantaneous: 20 times <1s
		Impedance	<20m $\Omega$
	Frequency		45 ~65 Hz.
<b>DISPLAY</b>			7 SEGMENT BRIGHT RED LED DISPLAY, FIVE ROWS
<b>ACCURACY</b>	Volts, Current		$\pm(0.5\%FS + 2dgts)$
	Watts, Var, KVA		$\pm(0.5\%FS + 2dgts)$
	Frequency		$\pm 0.1$ Hz
	Power Factor		$\pm 0.01$ PF
	Active Energy		$\pm 0.5\%$
	Reactive Energy		$\pm 2.0\%$
<b>SUPPLY</b>	Auxillary Supply		230VAC
<b>SAFETY</b>	AC BREAKDOWN		Bet.Input or Output and Supply : 2KV 50Hz /1 min.
	VOLTAGE		Bet .Input & Output :1KV 50Hz /1 min.
	INS. RESISTANCE		Bet.Input / Output / Supply and casing: 20M $\Omega$ @500V DC.
<b>OPERATING</b>	TEMPERATURE		OPERATING : -10° ~ 50° C
<b>CONDITION</b>			STORAGE: -25° ~ 70° C
	HUMIDITY		< 85% RH, free of moisture and gas