



R-18BP

R-18BP series portable multifunction power quality analyser / energy auditor network instruments can measure 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.

This meter can be used in various Industrial and Domestic purposes such as Home appliance Testing, Energy Audit, QC, Power Management, Generator / Motor Characteristics, Plant - Maintenance, LED Lights, Studying Energy Efficiency of Electrical Equipment, etc.

INPUT	Network		1Phase, 3 Phase 3 Wire, 3 Phase 4 Wire
	Volts	Rated Value	110VAC / 230VAC / 440VAC
		Over Load	Continuous: 1.2x, Instantaneous: 2x <10seconds
		Consumption	<1VA / Phase.
		Impedance	>300KΩ
	Current	Rated Value	1A / 5A AC
		Over load	Continuous: 1.2x, Instantaneous: 10x <5seconds
		Consumption	<0.4 VA / Phase
Impedance		<20mΩ	
Frequency		45-65Hz	
OUTPUT	Electric	Output Mode	Bi Directional active and reactive electric energy
	Energy	Pulse	Active 10000 imp/kwh
		Constant	Reactive 10000 imp/kvarh
		Start	At rated voltage, reference frequency and the load current is More than 0.001 times Input, it can start and measure the Electric energy continuously
DISPLAY			7 SEGMENT BRIGHT RED LED DISPLAY, THREE ROWS
ACCURACY	Voltage, Current		±(0.5%FS + 2dgts)
	Watts, Var, KVA		±(0.5%FS + 2dgts)
	Frequency		± 0.1 Hz
	Power Factor		± 0.01 PF
	Active Energy		± 0.5%
	Reactive Energy		± 2.0%
SUPPLY	Auxillary Supply		AC/DC 85~264 V, <5VA
SAFETY	AC Breakdown		Bet.Input or Output and Supply : 2KV 50Hz /1 min.
	Voltage		Bet .Input & Output :1KV 50Hz /1 min.
	Insulation Resistance		Bet.Input / Output / Supply and casing: 20MW@500V DC.
OPERATING CONDITION	Temperature		Operating : -10° ~ 50° C
			Storage: -25° ~ 70° C
	Humidity		< 90% RH, free of moisture and gas