



90P



Key Adjustor

MODEL 90P AC Multifunctional Calibrator can output standard AC Voltage and AC Current. It measures AC Voltage, AC Current, Power, Phase Angle, Power Factor and Frequency [40Hz ~ 70Hz]. Wide output range of Current and Voltage; High reliability and low wave distortion.

Applications

- Calibration of Power Meters, AC Volt, Amp, Watt, Var, Frequency, Powerfactor, Phase Angle and Energy Meters.
- Calibration of Voltage, Current, Active & Reactive Power, Frequency, Powerfactor, Phase Angle and Energy Transducers.

Standard Accessories

- 1 x Key Adjustor
- 1 x Power Cord
- 1 x Pair of Output Leads
- 1 x Pair of Output Leads (50A / 100A)
- 2 x Fuse (4A)
- 1 x Data Cable for PC Connectivity
- 1 x Operation Manual

Optional Accessories

- Standard Current Coil



Turns Ratio	100 / 1	100 / 1
Input Max.	5A	10A
Current	500A	1000A
Clamp Jaw	> 20mm	> 28mm
DC Impedance	0.7Ω	0.9Ω
DC Burden	5A / 3.5V	10A / 2.5V
AC Burden	5A / 6V	10A / 5V
Frequencies	DC to 60Hz	DC to 60Hz
Accuracy	± 0.3% rdg	± 0.3% rdg

Technical Specifications

Voltage Control	Output Voltage Range : Min. Resolution : Basic Error :	1V, 2V, 5V, 10V, 20V, 50V, 75V, 150V, 300V, 600V, 1000V 0.02mV AC V : ± (0.03 %RD + 0.02 %FS)
Current Control	Output Current Range : Min. Resolution : Basic Error :	10mA, 20mA, 50mA, 200mA, 1A, 2A, 5A, 10A, 25A, 50A, 100A 0.2µA AC I : ± (0.03 %RD + 0.02 %FS)
Frequency Control	Frequency Range : Frequency Error :	40Hz to 70Hz ± 0.02 Hz
Phase Control	Phase Angle Range : Phase Error :	0 to 359.99° ± 0.05°

Note - RD : Reading, FS : Full Scale

General Specifications

<ul style="list-style-type: none"> ● Power Range : 0 to 100kW ● Power Basic Error : ± (0.07 %RD + 0.03 %FS) ● Stability V, I : < 0.01 %FS / 2 min, P : < 0.02 %FS / 2 min ● Distortion : < 0.5 % ● Power Factor Range : -1 to +1 ● Power Factor Basic Error : ± 0.001 (PF 0 to ±0.8); ±0.0005 (PF -0.8 to -1, +0.8 to +1) 	<ul style="list-style-type: none"> ● Power Supply : 230 VAC, 50 (60) Hz ● Power Consumption : < 300 VA ● Display : 5½ Digit VFD Digital Display ● Operating Temperature : 5°C to 35°C ● Relative Humidity : ≤80 % ● Dimensions : 192 x 480 x 540mm (approx.) ● Total Weight : 23 kgs (approx.)
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