

Multi Function Calibrators (5^{1/2} digit)



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We are Manufacturer, Supplier, Exporter of Multi Function Calibrators / Voltage & Current Standards and we are also specialized in Calibration Services (Calibrator). Our setup is situated in Pune, Maharashtra, India.

Make	ZEAL
Model	ZMMFC5.5
Input Power	230 V AC or 110 V AC (50 / 60Hz)
DC Voltage Ranges	200mV, 2V, 20V, 200V, 1000V
AC Voltage (45 Hz to 1000 Hz) Ranges	200mV, 2V, 20V, 200V, 1000V
DC Current Ranges	2mA, 20mA, 200mA, 2A, 10A
AC Current (45 Hz to 1000Hz) Ranges	2mA, 20mA, 200mA, 2A, 10A
Accuracy :	DC Voltage : 0.10%, AC Voltage : 0.15%, DC Current : 0.10%, AC current : 0.15% (Accuracies specified at 25 deg C, RH < 70 %, basic accuracy ± 10 digits for DC parameters & basic accuracy ± 15 digits for AC parameters. Stability : 200 PPM for DC parameters, 350 PPM for AC Parameters.

Features :

- Overload and short circuit protection
- Pure Sine wave with variable frequency
- Setting by Decade switches for V/A in 5^{1/2} digit MFC
- Frequency setting by potentiometer
- Parameter and range selection by inbuilt micro controller based unit and relays.
Bar of LEDs to indicate parameter and range.
- Separate output ports for V (Hi), mA (Hi), 10A (Hi) and Com

4 ½ Digit Multifunction Calibrator



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Make	ZEAL
Model	ZMMFC4.5
Input Power	230 V AC, 50 Hz or 110 V AC (50 / 60Hz)
DC Voltage Ranges	200mV, 2V, 20V, 200V, 1000V
AC Voltage (45 Hz to 1000 Hz) Ranges	200mV, 2V, 20V, 200V, 1000V
DC Current Ranges	2mA, 20mA, 200mA, 2A, 10A
AC Current (45 Hz to 1000Hz) Ranges	2mA, 20mA, 200mA, 2A, 10A

Accuracy	DC V : 0.10%, AC V : 0.15%, DC Current : 0.10%, AC Current : 0.15% (Accuracies specified at 25 deg C, RH < 70%, basic accuracy ± 10 digits for DC parameters & basic accuracy ± 15 digits for AC parameters. Stability : for DC V and A :200 PPM for AC V and A : 350 PPM
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Features

- Overload and short circuit protection
- Pure Sine wave with variable frequency
- Setting by Multi turn potentiometers for V/A in $4\frac{1}{2}$ digit MFC
- Frequency setting by potentiometer
- Parameter and range selection by inbuilt micro controller based unit and relays.
Bar of LEDs to indicate parameter and range.
- Separate output ports for V (Hi), mA (Hi), 10A (Hi) and com
- Accessory : X 100 AC/DC current coil for clamp on meter calibration up to 1000A
- Multi Function Calibrator is useful for calibration of Digital Multi meters, Clamp on Meters, Digital Panel Meters and Analog Panel Meters
- It is basically a variable source with different ranges of DC Voltage, AC Voltage, DC Current, and AC Current. It has been designed to cover the calibration of maximum ranges of variety of models of Multimeters available in the market
- Knobs are provided to set the desired value of voltage and current.
- Output ON/OFF switch is provided to turn ON/OFF the output.
- $4\frac{1}{2}$ Digit Volt or Ammeter to indicate set value.
- 4 Digit Frequency Meter to indicate set frequency of AC parameters



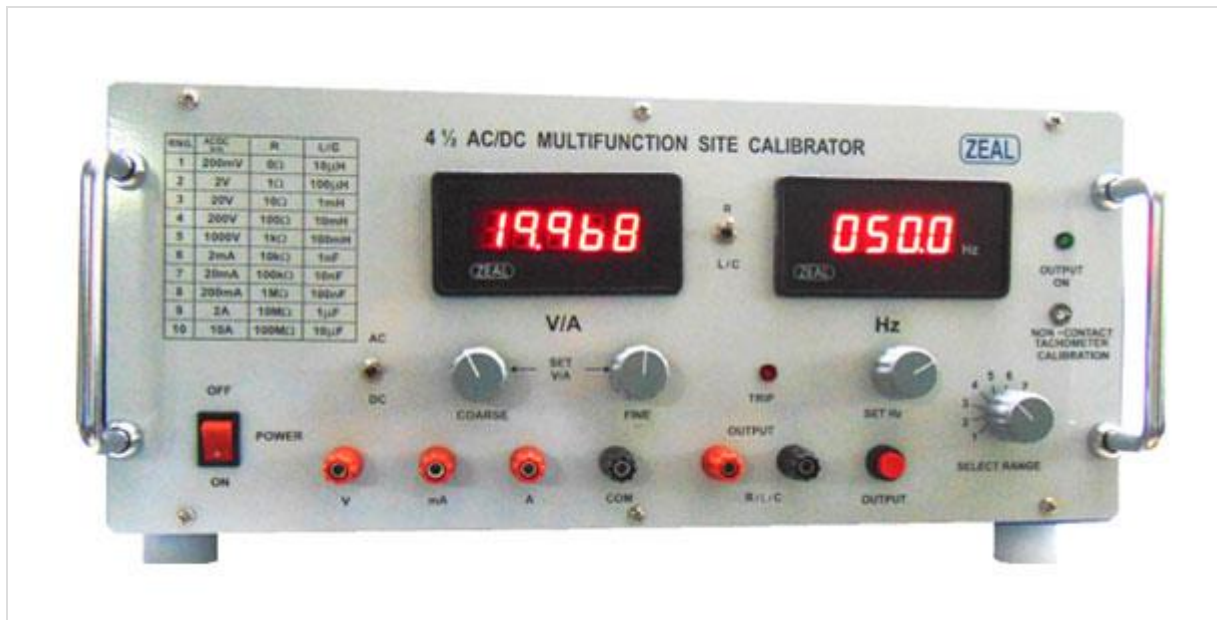
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Make	ZEAL
Model	ZMMFCS4.5
Input Power	230V, 50Hz / 110V, 60Hz
DC Voltage Ranges	200mV, 2V, 20V, 200V, 1000V
AC Voltage (45 Hz to 1000 Hz) Ranges	200mV, 2V, 20V, 200V, 1000V
DC Current Ranges	2mA, 20mA, 200mA, 2A, 10A
AC Current (45 Hz to 1000Hz) Ranges	2mA, 20mA, 200mA, 2A, 10A
Resistance (Fixed Values)	1 Ω , 10 Ω , 100 Ω , 1 k Ω , 10 k Ω , 100 k Ω , 1 M Ω , 10 M Ω , 100 M Ω .
Accuracy	DC Voltage : $\pm 0.2\%$, AC Voltage: $\pm 0.3\%$, DC Current : $\pm 0.15\%$, AC Current: $\pm 0.2\%$, Resistance : $\pm 0.25\%$ (Accuracies specified at 25 deg C, RH < 70 %, basic accuracy ± 5 digits for DC parameters & basic accuracy ± 15 digits for AC parameters.)
Stability	200 PPM for DC parameters, 350 PPM for AC Parameters.
Weight	15 kg
Dimensions	W : 400 X D : 400 X H : 170 mm

Features

- It is protected from output short circuit and overload
- Pure Sine wave with variable frequency
- Setting by coarse & fine multiturn potentiometers for V/A
- Frequency setting by multiturn potentiometers
- Selection of AC/DC parameter by toggle switch
- Selection of ranges by rotary switch.
- Separate output ports used for V (Hi), mA (Hi), 10A (Hi), and Com.
- Separate output ports used for Resistance.
- Accessory : X 100 AC / DC current coil for clamp on meter calibration up to 900A

4 1/2 AC / DC Multifunction Site Calibrator



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Make	ZEAL
Model	ZMMFC4.5
Input Power	230V AC, 50Hz
Operating Temperature	15°C to 45°C
DC Voltage Ranges	200mV, 2V, 20V, 200V, 1000V

AC Voltage (45 Hz to 1000 Hz) Ranges	200mV, 2V, 20V, 200V, 1000V
DC Current Ranges	2mA, 20mA, 200mA, 2A, 10A.
AC Current (45 Hz to 1000Hz) Ranges	2mA, 20mA, 200mA, 2A, 10A.
Frequency:	45Hz to 1 kHz
Fixed Resistance	1 Ω , 10 Ω , 100 Ω , 1k Ω , 10k Ω , 100k Ω , 1M Ω , 10 M Ω , 100 M Ω
Fixed Capacitance:	1nF, 10nF, 100nF, 1 μ F, 10 μ F
RPM (Non Contact):	60,000 RPM Non Contact Type
V/A Selection:	By Toggle Switch
Range Selection:	By Rotary Switch
Setting:	V/A setting by multiturn Coarse & fine potentiometers, Frequency by potentiometer, Accuracy(@ 15°C to 30°C, RH<70%)
DC Voltage	± 0.2 % of Rdg ± 5 Dgt.
AC Voltage:	± 0.3 % of Rdg ± 10 Dgt, Frequency: 0.1 Hz
Resistance:	± 0.25 %, Capacitance/Inductance: ± 5 %
RPM(Non Contact Type):	± 0.1 % ± 5 Dgt
Accessories:	X 100 AC/DC current coil for clamp on meters calibration up to 1000A
Dimensions:	W:400 X D:400 X H: 170 mm
Dimensions:	W:400 X D:400 X H: 170 mm
Weight:	19kg