

SPECIFICATIONS

CALIBRATION SOURCE

FULL-SCALE RANGES:

AC-DC Voltage: 0.1, 1, 10, 100, 1000 Volts (plus 40% overrange)

Max. Burden: 0.03A @ 1000V AC-DC
0.2A @ 100V AC-DC
2.0A @ 10V AC-DC
5A @ 1V AC
1A @ 1V DC
0.5A @ 0.1V AC-DC

AC-DC Current: 100 μ A, 1 mA, 10 mA, 100 mA, 1A, 10A (plus 40% overrange)

Max. Compliance: 2 Volts @ 10 Amperes

Ohms: (cardinal values only) 0.01, 0.1, 1, 10, 100, 1k, 10k, 100k, 1M and 10M

ACCURACY: (for 100% to 10% of full-scale range)

DC Volts: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+0.2$ mV

AC Volts: $\pm(0.03\%$ of range $+0.05\%$ of reading) $+0.5$ mV

DC Amperes: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+0.2\mu$ A (to 1A)
 $\pm(0.02\%$ of range $+0.1\%$ of reading) (to 10A)

AC Amperes: $\pm(0.03\%$ of range $+0.05\%$ of reading) $+0.5\mu$ A (to 1A)
 $\pm(0.03\%$ of range $+0.2\%$ of reading) (to 10A)

Ohms: $\pm 0.06\%$ of value (4 terminal configuration) to 100k
 $\pm 0.1\%$, 1 and 10 Megohms

RESOLUTION: 0.01% of range

FREQUENCY: (internally generated) 50, 60, 400, 1 kHz

OUTPUT REGULATION: Better than 0.05% for 10% line variation.

OUTPUT TERMINALS: Two or four-terminal arrangement, at operator's discretion.
High and Low Output, High and Low Sensing, Circuit and Chassis Ground.

MEASUREMENT STANDARD

FULL-SCALE RANGES: (plus 40% overrange)

AC-DC Voltage: 0.1, 1, 10, 100, 1000 Volts (input impedance: 10k ohms/volt)

AC-DC Current: 100 μ A, 1 mA, 10 mA, 100 mA, 1A, 10A (input impedance varies with range: 0.1 to 20k ohms)

Ohms Range: Low: 0.01, 0.1, 1, 10, 100 ohms (AC & DC)
High: 1k, 10k, 100k, 1M, 10M ohms (DC only)

Frequency Response: 50 Hz to 1 kHz

ACCURACY: (for 100% to 10% of full-scale range)

DC Volts: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+0.2$ mV

AC Volts: $\pm(0.03\%$ of range $+0.05\%$ of reading) $+0.5$ mV

DC Amperes: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+0.2\mu$ A (to 1A)
 $\pm(0.02\%$ of range $+0.1\%$ of reading) (to 10A)

AC Amperes: $\pm(0.03\%$ of range $+0.05\%$ of reading) $+0.5\mu$ A (to 1A)
 $\pm(0.03\%$ of range $+0.2\%$ of reading) (to 10A)

AC Ohms: (Low Range Only) $\pm(0.05\%$ of range $+0.05\%$ of reading) $+100\mu$ ohms

DC Ohms - Low Range: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+100\mu$ ohms

DC Ohms - High Ranges: $\pm(0.02\%$ of range $+0.03\%$ of reading) $+0.1$ ohm (to 100k)
 $\pm(0.02\%$ of range $+0.1\%$ of reading) (to 1 Meg)
 $\pm(0.02\%$ of range $+0.2\%$ of reading) (to 10 Meg)

SIZE: 19" W x 8 $\frac{3}{4}$ " H x 23" D (48.3 x 22.2 x 58 cm)

WEIGHT: 98 pounds (44.5 kilograms)

POWER LINE REQUIREMENTS: 115 or 230 Volts, 50/60 Hz

Maximum Demand: 250 watts @ 60 Hz

NOTE

For optimum accuracy in all modes of operation, it is advised that the DPM zero "toggle" be checked and reset (if necessary) periodically, i.e. daily. Refer to Calibration paragraphs 1 and 4.