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80K-40

35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001

High Voltage Probe

The 80K-40 extends the voltage measuring capability of an ac/dc voltmeter up to 40,000 volts. A 1000:1 voltage divider provides a high input impedance. The unusually high input impedance offered by the metal-film resistors minimizes circuit loading and optimizes measurement accuracy. A molded plastic body houses the divider and protects the user from the voltage being measured. Warning: To avoid damage or electric shock, use high voltage probes under dry conditions (no condensations) in low energy applications, such as CRT supplies. Voltage range: 1 kV to 40 kV dc or peak ac, 28 kV rms ac Input impedance: 1000 Megohms nominal Division ratio: 1000:1 Must be referenced to earth ground. DC Accuracy: 20 kV to 35 kV: $\pm 1\%$ at 20 deg C to 30 deg C; add 1% at 10 deg C to <20 deg C and >30 deg C to 45 deg C (for total measurement accuracy add accuracy specification of voltmeter being used.) 0 kV to <20 kV and >35 kV to 40 kV: $\pm 2\%$ AC Accuracy: 60 Hz, $\pm 5\%$ DVM Compatibility: The 80K-40 achieves rated accuracy when used with an ac/dc voltmeter having an input impedance of 10 Megohm $\pm 1\%$

Product	Limitations
10	1 volt resolution DC only
11	1 volt resolution DC only
12	1 volt resolution DC only
12B	1 volt resolution DC only
16	1 volt resolution DC only
21-III	1 volt AC resolution
23-III	1 volt AC resolution
26-III	None
27	None
70-III	1 volt AC resolution
73-III	1 volt AC resolution

75-III	1 volt AC resolution
77-III	1 volt AC resolution
79-III	None
8060A	None
8062A	None
83-III	None
85-III	None
863	DC Only
867B	DC Only
87-III	None

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