

DIGITAL VOLTMETERS & PHASERS



FEATURES

- Provides consistent line-to-line measurements
- High accuracy voltage measurements – within 1% of reading
- Compact, rugged and lightweight
- Measures up to 40kV (line-to-line or line-to-ground) without add-on resistors, and up to 80kV (line-to-line or line-to-ground) with add-on resistors
- Take measurements of elbow test points with the DVM-80T
- Measures both AC and DC voltages
- Measures DC through 1000Hz AC RMS
- Auto-ranging 3.5 digit LCD display
- Backlit display for easy reading in bright or dark conditions
- Auto-shutoff to prevent extended battery drain
- Low battery feature
- Flush mount ON switch - prevents field damage
- Built-in universal splines for standard hotstick attachment
- No range selector switch or settings required
- Coiled connecting cord
- Powered by a standard 9V lithium or alkaline battery (included)
- Includes two (2) hook style overhead brass probes and carrying case
- Kits are available, contact factory for details



DVM-80T Taking
Elbow Test Point
Measurement

The DigiVolt-80 products are compact, high accuracy digital voltmeter and phasing instruments designed to measure voltages up to 40kV and up to 80kV when used with a pair of add-on resistors. The two-stick design can be used in both overhead and underground applications. The digital meter displays the true RMS voltage on the conductor.

The DVM-80 units incorporate Phase Accurate Technology which makes all voltage readings, whether made from line-to-line or line-to-ground, accurate and repeatable to within 1%. The DVM-80 products are the only digital high voltage meters to include this technology for high accuracy voltage measurements.

The DigiVolt-80T includes an elbow test point mode, which is displayed by a blinking decimal point. Simply press the ON button to activate and de-activate this feature.

APPLICATIONS

- Measure voltage and phase conductors on both overhead and underground systems
- Verify a conductor is de-energized prior to grounding
- Determine if multiple conductors are in-phase or out-of-phase
- Test underground cable for faults (optional Cable Fault Tester and bushing probes required)
- Discharge underground cables and other equipment that hold capacitive charges
- Test point mode on DVM-80T allows measurements and phasing on elbow test points

ACCESSORIES

- Add-on resistors for measurements to 80kV - R-80 (optional)
- Underground Bushing Probes - 15kV, 25kV and 35kV (optional)
- General Contact Probe – for use on switchgear (optional)
- Cable Fault Tester - CFT-35 (optional)
- Proof Tester with 5000V Output - PT-5000B (optional)
- Hotsticks (optional)
- Overhead Pigtail Probes (optional)
- Adapter for Shotgun Hotstick - HSA-2500 (optional)
- Carrying case (included)
- Overhead hook probes (included)

SPECIFICATIONS

Operating Voltage Range: 50V - 40kV

(0.05kV-19.99kV and 20.0kV-40.0kV)

- up to 80kV with add-on resistors (multiply reading by a factor of two)

• Accuracy

- Within 1% of reading +/- 3 counts
- With R-80 add-on resistors installed - within 2% of reading +/- 3 counts (line-to-ground & line-to-line measurements)

Operating Temperature Range:

-13°F to +131°F (-25°C to +55°C)

Operating Frequency: 50-1000Hz AC/DC

Dimensions:

Length (w/o probes): 15" (38cm)

Display housing: 5"W x 4.25"L x 1.38"H
(13cm x 11cm x 3.5cm)

Diameter of fiberglass: 1" (2.54cm)

Connecting Cord Length:

12' (3.6m) fully extended, 3.5' (1.7m) retracted

Weight: (w/o probes): 2.25 lbs. (1.02kg)

LCD Numeral Height: 0.4", indicates 3.5 digits

Battery Life: 17 hours continuous use

ORDERING INFORMATION

DVM-80	Dual Stick Phasing Voltmeter, 50V-40kV, includes overhead hook probes and carrying case. Powered by a field-replaceable 9V lithium or alkaline battery (included).
DVM-80T	Dual Stick Phasing Voltmeter, 50V-40kV with Capacitive Test Point Mode, includes overhead hook probes and carrying case. Powered by a field-replaceable 9V lithium or alkaline battery (included).
CS-DVM	Hard Plastic Foamed Carrying Case holds DVM-80 with overhead hook probes, PT-5000B and R-80 resistors.
025-OLPS-5	Overhead Hook Brass Probe.
025-OLPS-6	Overhead Pigtail Brass Probe.
R-80	Add-on Resistor for DVM-80 units (pair required).
PT-5000B	Voltmeter Proof Tester® with 5,000 Volt Output. Powered by a field-replaceable 9V lithium or alkaline battery (included).
ASP-15/25	Underground Adapter Bushing, 15 and 25kV Class
CFT-35	Underground Cable Fault Tester, 15, 25 and 35kV Class
GCP-1	General Purpose Insulated Probe
S-4H	4' Fixed Length Fiberglass Hotstick

* Kits and other accessories are available, contact factory for details.



DVM-80 Kit with PT-5000B Proof Tester® and pair of R-80 add-on resistors

