

High Accuracy Digital Voltmeter

UNIVERSAL DIGITAL VOLTMETER



The DVM-80UVM is a compact, high accuracy dual stick voltmeter and phasing set with capacitive test point mode and peak hold. The DVM-80UVM measures voltage from 5V up to 40kV and up to 80kV with a pair of optional add-on resistors. The two-stick design can be used in both overhead and underground applications.

The DVM-80UVM incorporates Phase Accurate Technology, which makes all voltage readings, whether made from line-to-line or line-to-ground, accurate and repeatable to within 1%.



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 allows measurements and phasing on elbow test points
- Peak hold mode displays the peak voltage reading

FEATURES

- **Digital Meter** - Reads in kilovolts, 3.5 digits with decimal point
- **Voltage Range** - 5V-40kV, up to 80kV with add-on resistors
- **Auto-Ranging** - No range selector switch
- **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)
- **Meter Resolution**
 - 0.005 - 1.999 range with 1 Volt resolution
 - 2.00 - 19.00 range with 10 Volt resolution
 - 19.0 - 40.0 range with 100 Volt resolution
- **Backlit Display** - For easy reading in bright or dark conditions
- **Peak Hold Mode** - Conveniently keeps the peak voltage reading on the display
- **Measures AC and DC voltages** thru 1000Hz RMS
- **Use on Secondary Voltages** - Starting at 5 Volts
- **Measure voltage on elbow test points** - Meter displays system voltage
- **Underground Cable Testing** - Test underground cables for faults using the CFT-35
- **Auto-shutoff** - Prevents battery drain
- **Coiled Connecting Cord** - 3.5' retracted, 12' extended
- **Phase Accurate Technology** makes all voltage readings, whether line-to-line or line-to-ground, accurate and repeatable to within 1%
- **Battery** - Powered by a standard 9V lithium or alkaline battery in an easy to change battery case - no tools required
- **Weight of Voltmeter (w/o probes)** - 2.25 lbs (1.02 kg)
- **Made in the USA**



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UNIVERSAL VOLTMETER KIT

The DVM-80UVM is available in a Universal Voltmeter Kit. As the largest supplier of innovative voltage testing and measuring devices in the market today, we have expanded the features of our popular industry-proven DVM-80 series voltmeter and packaged it with an assembly of accessories, offering it as a complete, ready-to-use Universal Voltmeter Kit.

The DVM-80UVK is a complete kit that includes:

- the DVM-80UVM dual stick phasing voltmeter with overhead hook probes
- add-on resistor sticks for measurements up to 80kV
- underground bushing probes
- cable fault tester
- voltmeter proof tester
- shotgun hotstick adapters
- soft-sided, multi-functional carrying bag with built-in bucket hooks

This kit contains everything needed to:

- Perform voltmeter and phasing operations for virtually all overhead & underground applications
- Take measurements on secondary voltages starting at 5 Volts
- Take measurements on primary voltages up to 80 Kilovolts
- Take measurements on elbow test points with Test Point Feature
- Peak voltage reading can be held using the Peak Hold Feature
- Perform underground cable fault testing with Cable Fault Tester
- Test the voltmeter before and after use with Voltmeter Proof Tester

HDE challenges you to compare the features, value and functionality of this state-of-the-art instrument to anything available on the market today.

With our experience and dedication to quality and reliability, our reputation speaks for itself. We are confident that you will find our products to be “Best in the Field”® when it comes to detecting, indicating and measuring voltage.



DVM-80UVK Universal Voltmeter Kit

ORDERING INFORMATION

DVM-80UVM	Dual stick phasing voltmeter with peak hold and capacitive test point modes, 5V-40kV and up to 80kV with optional resistor sticks. Includes overhead hook probes (025-OLPS-5) and carrying case (CS-DVM).
DVM-80UVK Universal Voltmeter Kit	• Dual stick phasing voltmeter (DVM-80UVM) • two overhead hook probes (025-OLPS-5) • two resistor sticks for measurements up to 80kV (R-80) • two underground bushing probes (ASP-15/25) • cable fault tester (CFT-35) • voltmeter proof tester (PT-5000B) • two shotgun hotstick adapters (HSA-2500) • soft-sided, multi-functional carrying bag (B-12)
S-4H	4’ Fixed length fiberglass hotstick
S-6H	6’ Fixed length fiberglass hotstick

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