

# 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**

**HDE** HD ELECTRIC COMPANY  
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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

<b>DVM-80UVM</b>	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).
<b>DVM-80UVK Universal Voltmeter Kit</b>	<ul style="list-style-type: none"> <li>• Dual stick phasing voltmeter (DVM-80UVM)</li> <li>• two overhead hook probes (025-OLPS-5)</li> <li>• two resistor sticks for measurements up to 80kV (R-80)</li> <li>• two underground bushing probes (ASP-15/25)</li> <li>• cable fault tester (CFT-35)</li> <li>• voltmeter proof tester (PT-5000B)</li> <li>• two shotgun hotstick adapters (HSA-2500)</li> <li>• soft-sided, multi-functional carrying bag (B-12)</li> </ul>
<b>S-4H</b>	4' Fixed length fiberglass hotstick
<b>S-6H</b>	6' Fixed length fiberglass hotstick

All sales are subject to the terms and conditions of the Limitation of Warranty and Liability found at [www.HDElectricCompany.com](http://www.HDElectricCompany.com).

Users must read and agree to the Limitation terms, as stated, before using the product.

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