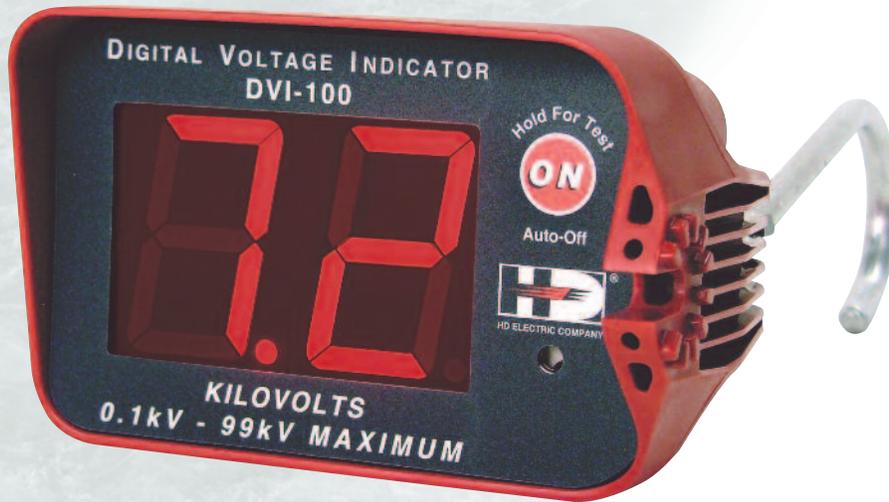


Voltage Indicators

DVI-100 Digital Voltage Indicators



FEATURES

- For use on system voltages up to 161kV (reads up to 99kV line-to-ground)
- Large auto-ranging LED display indicates the line-to-ground voltage level
- Audible indication when voltage is detected
- Voltage readout allows user to distinguish between nominal and induced voltage
- Measure Elbow Test Points with the DVI-100T (underground probe required)
- Use on overhead lines or in underground applications with bushing probe
- Built-in universal spline for standard hotstick attachment
- LED's operate in extreme temperatures
- Easy-to-read in bright or dark conditions
- Built-in self-test to verify proper operation
- Auto-shutoff with low battery function
- Powered by a field-replaceable 9V alkaline battery
- No range selector switch or settings required
- Compact, rugged and lightweight polycarbonate housing
- Kits are available, contact factory for details



DESCRIPTION

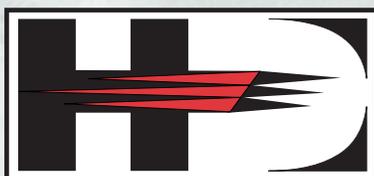
The Digital Voltage Indicator (DVI-100) is a single point instrument designed to read the voltage on a conductor up to 99kV line-to-ground. The large LED readout is easy-to-read on the end of a long hotstick and can be used on overhead lines or in underground applications with an underground bushing probe.

There are two versions of the DVI. The DVI-100 indicates voltage by directly contacting conductors on overhead and underground systems. The DVI-100T with Test Point Mode also indicates voltage on elbow test points.

Digital Voltage Indicators can distinguish between lines energized at full line voltage and those lines influenced from backfeed or induced voltages. DVI can also be used on distribution transformers to read both primary and secondary voltages.

When brought into direct contact with a conductor while mounted on a hotstick, the two-digit display indicates the line-to-ground voltage. The instrument is auto-ranging and indicates voltages from 0.1kV - 9.9kV and from 10kV - 99kV. This allows the user to read the voltage and also determine if it is at nominal voltage or a lower induced voltage. The unit emits an audible alarm when voltage above 100VAC is detected. It is very easy-to-use as there are no range selector switches or settings to be made – just contact the conductor and read the display. To switch to Test Point Mode on the DVI-100T, simply press the ON button again and a flashing decimal appears on the display.

An underground probe is required for measuring Elbow Test Points, underground or pad mount applications, or for any applications up to 21kV line-to-ground where the DVI will be used in close proximity to grounded conductors or surfaces.



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ACCESSORIES

- Underground Bushing Probe - IEP-DVI-5
- Voltage Indicator Tester - PT-DVI
- Adapter for Shotgun Stick - HSA-2500
- Carrying Bag - B-30
- Carrying Case - CS-DVI
- Overhead Hook Probe - HP-DVI-2



DVI-100 with Carrying Case



B-30
Accessory



PT-DVI
Accessory



IEP-DVI-5 - Required for Underground Applications

SPECIFICATIONS

Model Numbers: DVI-100 or DVI-100T

Operating Voltage Range: 0 - 99kV line-to-ground
(0.1kV - 9.9kV and 10kV - 99kV)

Operating Frequency: 60Hz (50Hz available)

Operating Temperature Range:
-40°F to +120°F (-40°C to +49°C)

Dimensions: Housing: 4.25"H x 7"W x 4.5"D
(11cm x 18cm x 11cm)
Overhead Probe: 8" long (20cm)

Weight: 1.37 lb. with small overhead probe (0.62kg)

LED Height: 2.25" (6cm)

Accuracy: Typical overhead line accuracy in compact overhead three phase configuration +/- 10% other applications up to +/- 25%

Power Supply: Field replaceable 9-volt alkaline battery

Battery Life: About 100 readings with 9V alkaline battery

Standard Overhead Probe: (for overhead use only)
HP-DVI-2

Carrying Case: CS-DVI Rugged Plastic Carrying Case

Optional Underground Probe:
IEP-DVI-5 for 15, 25 and 35kV Class

DVI-100 SERIES ORDERING INFORMATION

DVI-100	Indicates Voltage up to 99kV. Includes (1) HP-DVI-2 & CS-DVI Case
DVI-100T/K01	Indicates Voltage up to 99 kV with Capacitive Test Point Mode, Kit Includes DVI-100T, (1) HP-DVI-2, (1) IEP-DVI-5 & CS-DVI Case
DVI-100T/K02	Kit Includes DVI-100T, (1) HP-DVI-2, (1) IEP-DVI-5, (1) PT-DVI and CS-DVI Case
DVI-100/K01	Kit Includes DVI-100, (1) HP-DVI-2, (1) IEP-DVI-5 and CS-DVI Case
DVI-100/K02	Kit Includes DVI-100, (1) HP-DVI-2, (1) IEP-DVI-5, (1) PT-DVI and CS-DVI Case
PT-DVI	Proof Tester for Digital Voltage Indicators
IEP-DVI-5	Underground Bushing Probe 15, 25 and 35 kV Class
HP-DVI-2	Overhead Hook Probe, 2" Diameter Opening
CS-DVI	Rugged Plastic Case for DVI-100 Units
B-30	Carrying bag with Fluorescent/Reflective Safety Stripes and Carrying Strap
HSA-2500	Universal Hotstick Adapter (Shotgun)
S-4H	4' Fixed Length Fiberglass Hotstick
S-6H	6' Fixed Length Fiberglass Hotstick

- * All DVI require the use of a hotstick
- Other kits are available, contact factory for details.

All sales are subject to the terms and conditions of the Limitation of Warranty and Liability set forth in the product Instruction Manual and at www.HDElectricCompany.com. Users must read and agree to the Limitation terms, as stated, before using the product.

HD Electric Company is committed to ongoing review and improvement of its product lines, and thus reserves the right to modify product design and specifications without notice.

HD Electric Company products are available through HD sales representatives worldwide.

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