

V2 Standard Features

Test Point Mounted Neon Voltage Indicators provide a convenient, visual method for determining the energized status of underground distribution circuits. The indicator consists of a self-powered voltage sensor connected to a neon light that flashes when energized. Flash rate is proportional to the system voltage and the same indicator may be used for 5KV thru 35KV applications.

Units are designed to mount directly to 200 & 600 Amp elbows, splices and other cable accessory components equipped with IEEE 386 Standard capacitive test points. Indicators include a universal mounting provision allowing installation on test point products as manufactured by Elastimold® and others.

Designs feature compact, shielded and sealed, corrosion resistant construction. The indicator is enclosed in a durable EPDM molded rubber housing and includes a built-in pulling eye for easy hotstick installation and removal of the indicator from the test point.

Self Powered Flashing Neon Display

Elastimold® Voltage Indicators are self powered from the test point and are provided with a 20-year, long life neon bulb. A reflective background surrounds the bulb to provide increased brightness. Flash rate per minute is proportional to the phase to phase system voltage with output as follows:

VOLTAGE & FLASH RATE

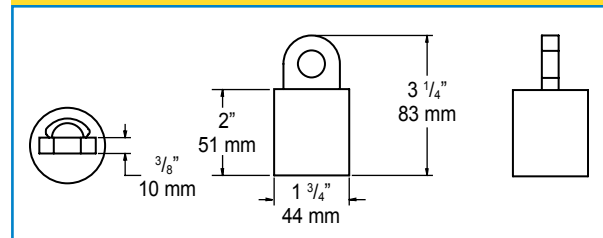
5kV voltage	20 flash rate	25kV voltage	140 flash rate
10kV voltage	40 flash rate	30kV voltage	160 flash rate
15kV voltage	70 flash rate	35kV voltage	180 flash rate
20kV voltage	100 flash rate		

Voltage Indicator Test Box permits field testing of V2 Voltage Indicators and provides assurance that the indicator is properly functioning. The test box is lightweight, portable and self powered by replaceable C-Size batteries. The unit includes a standard Elastimold® test point, a push to test button, a green LED operation indicating light and a rugged, impact resistant plastic housing.



V2

DIMENSIONS



V2-TB



Basic Operation

1. Mount the Neon Voltage Indicator to the test point provision on the test box.
2. Push and hold the test button to energize the test point. The green LED light will flash indicating that battery voltage is sufficient and that the test box is operating properly.
3. Continue holding the test button until the Neon Voltage Indicator begins to flash. If flashing does not occur after approximately 30 seconds then the Neon Voltage Indicator is defective and should be discarded.

V1 BIP Standard Features

Elbow BIP Mounted Neon Voltage Indicators provide a convenient, visual method for determining the energized status of underground distribution circuits. The indicator consists of a self-powered voltage sensor connected to a neon light that flashes when energized. Flash rate is proportional to the system voltage and the same indicator may be used for 5KV thru 35KV applications.

Units are designed to mount directly to 600 Amp T elbows equipped with IEEE 386 Standard BIP Interface.

Design features compact, shielded and sealed, corrosion resistant construction. The indicator includes a built-in pulling eye for easy hotstick installation and removal of the indicator from the test point.

Self Powered Flashing Neon Display

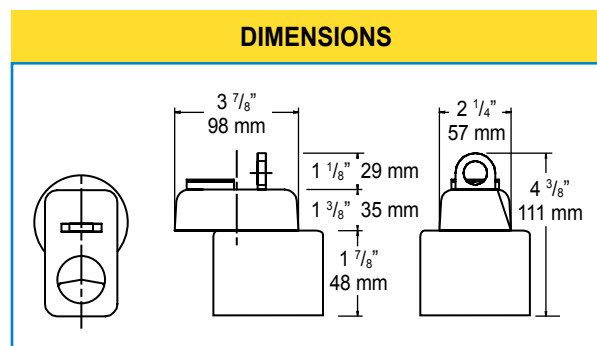
Elastimold® Voltage Indicators are self powered from the test point and are provided with a 20-year, long life neon bulb. A reflective background surrounds the bulb to provide increased brightness. Flash rate per minute is proportional to the phase to phase system voltage with output as follows:

VOLTAGE & FLASH RATE

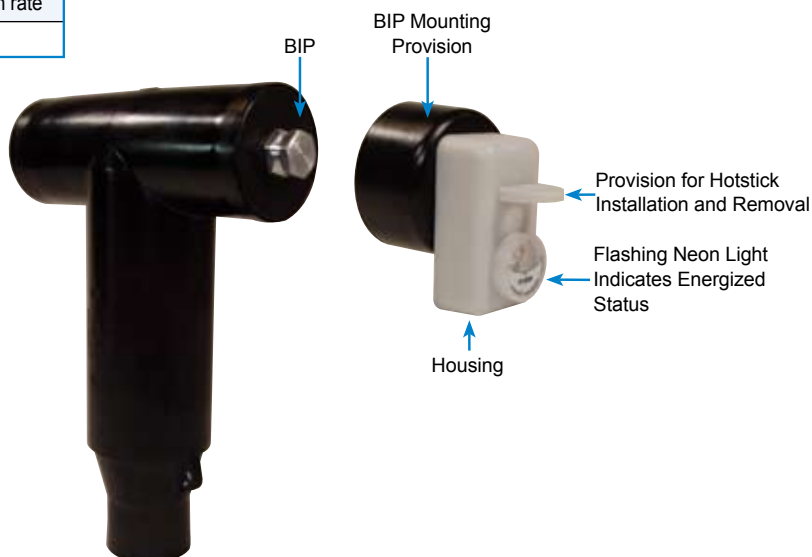
5kV voltage	30 flash rate	25kV voltage	200 flash rate
10kV voltage	60 flash rate	30kV voltage	230 flash rate
15kV voltage	100 flash rate	35kV voltage	260 flash rate
20kV voltage	140 flash rate		



V1 BIP



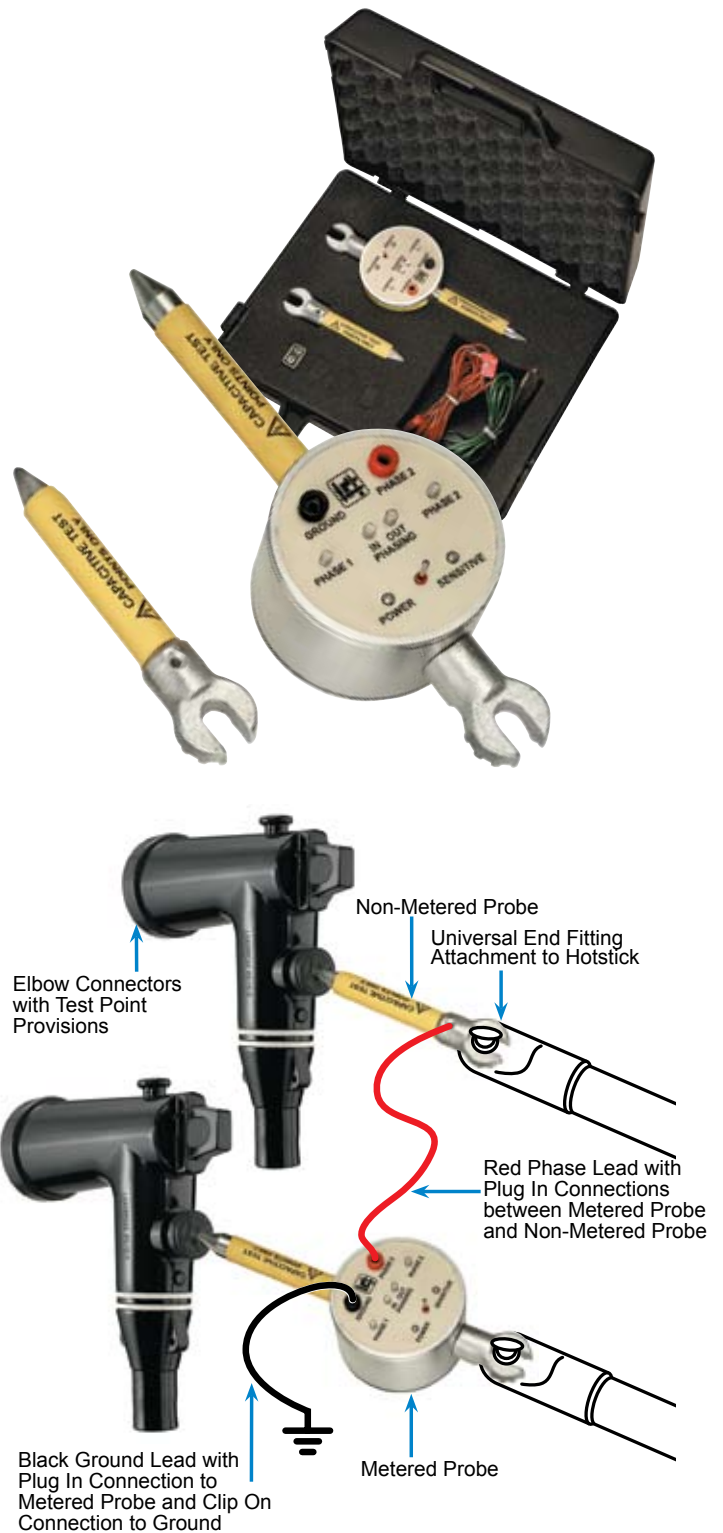
Voltage Indicators



PD35 Standard Features used for determining the correct phasing and energized status of single and three phase underground distribution circuits, rated 5kV thru 35kV. The unit has been specifically designed for use on 200 & 600 Amp elbows, splices and other cable accessory components equipped with IEEE 386 Standard capacitive test points. The tool eliminates direct exposure to high voltage while using established indirect test methods for capacitance-coupled, cable connection test points.

The Phase & Voltage Indicator is designed for hotstick operation and includes universal end fittings for convenient mounting to existing hotsticks. The unit is lightweight, portable and self-powered by a built-in, replaceable, standard 9-volt battery. The tool features rugged, impact resistant construction and easily readable LED indicator lights. Advanced low impedance, solid state circuitry provides accurate and reliable readings with sensitivity as low as 1.5kV phase to ground.

1. Attach the metered probe to a hotstick and connect the BLACK ground lead.
2. Switch the meter to the ON position. The red LED power light will illuminate indicating that battery voltage is sufficient. All other LED indicators will momentarily light up showing that the meter is operating properly.
3. To test for voltage:
 - Touch the metered probe to the test point on the cable connection.
 - The amber PHASE 1 LED indicator light will illuminate showing that the high voltage circuit is energized.
4. To test for proper phasing:
 - Attach the non-metered probe to an additional hotstick and connect the RED phase lead from the metered probe to the non-metered probe.
 - Touch one probe to the test point on one of the cable connections. Touch the other probe to the test point on the other cable connection.



- The amber PHASE 1 and PHASE 2 LED indicator lights will illuminate showing that each of the high voltage circuits are energized.
- If the circuits are IN PHASE the green LED will illuminate. If the circuits are OUT of PHASE the red LED will illuminate.

ORDERING INFORMATION

Catalog Number	Description
V2	Voltage Indicator with Neon Display
V1 BIP	Elbow BIP Mounted Neon Voltage Indicators
V2TB	Voltage Indicator Test Box
PD35	Voltage & Phasing Indicator



V2



PD-35



V1 BIP

Voltage Indicators