



# nationalgrid

## APPROVED HD ELECTRIC TEST & MEASUREMENT EQUIPMENT

### DIGITAL VOLTAGE INDICATOR – MODEL: DVI-100

High-voltage indicator provides the user with the approximate line-to-ground voltage to the electrical circuit being tested. Used on a hotstick, DVI is a direct contact instrument utilizing state-of-the-art electronics featuring a large ultra bright LED display. DVI is for use on system voltages up to 161kV and can be used on underground electrical systems with an optical underground probe.



**DVI-K-NG** – Kit includes DVI-100 digital voltage indicator, HP-DVI overhead hook probe, IEP-DVI underground bushing probe, CS-DVI plastic carrying case.

### VOLTAGE DETECTOR TESTER – MODEL: PT-DET

A tester for determining proper operation of TAG and DVI Voltage Detectors. This 9-volt powered handheld tester is easy to use in the field and satisfies requirements for testing devices on a known voltage source before and after use.



### DIGITAL VOLTMETER AND PHASER – MODEL: DVM-80

A compact high accuracy digital voltage and phasing instrument designed to measure voltage up to 40kV, and up to 80kV with optional add-on resistors. The unit incorporates Phase Accurate Technology, which provides consistent and repeatable measurements to within 1% of the reading, whether measuring from line-to-line or line-to-ground. This small lightweight two-stick unit is mounted on hotsticks and can be used on both overhead and underground systems with optional probes.



**DVM-80-K-NG** –Kit includes: (4 OH probes 1 hook,1 straight, 2 pigtails), 2/ASP

15/25 bushing probes, 1/CFT DC HIPOT, 1/PT5000B proof tester, 1/CS-DVM80 case, 1/B15 Custom Soft sided bag to house all the accessories.

### WIRELESS PHASER – MODEL: TAG-5000

A wireless phasing instrument designed to perform phasing operations without a connecting card. The transmitter and receiver units work up to a distance of 50 feet to determine whether the conductors are in-phase by giving an audible and visual indication. The lightweight units are hotstick mounted and can be used on voltages from 4kV up to 230kV line-to-line.



### TAG 200

The TAG-200 is a direct contact voltage detector for use on distribution voltages from 2kVAC to 69kVAC phase-to-phase. The range is factory set to the system voltages required by the user. TAG-200 is a single range unit that determines if a conductor is energized within its specific voltage setting.





**INSULATOR TESTER, IT-4 -**

The Hi-Test Insulator Tester tests energized or de-energized suspension insulators for non-visible internal failures at any AC line voltage. These non-visible failures are known causes of Radio Frequency/Television Interference (RF/TVI), blinking lights, Oil Circuit Recloser (OCR) operations and blown fuses. They are also a threat to line crew safety when performing energized maintenance.



**IT-4**



**K-7-1 PHASE SEQUENCE INDICATOR**



**TRANSFORMER TILT II TESTER**



**CYCLOPS 4 LED HARD HAT LIGHT  
CY3-LED**

**MARK V**

Dual Range: 0 to 5kV, 0 to 15kV with universal splines. Extension hotsticks required.  
Length: 1' 10" (56cm), Weight: 5 lbs. (2.3 kg), Includes Carrying Case: CM-100/V



**MARK V/KIT 7- National Grid**

Includes: Mark V 5/15 KV Phasing Meter  
(2) OLPS-5 Hook Probe; (2) OLPS-6 Pigtail Probe; (1) DC HIPOT; (2) ASP-15/25 Bushing Probes; (1) EA 15/25

**OVERHEAD PROBES**

Hook Brass Probe

Pigtail Brass Probe



**OLPS-5**



**OLPS-6**



**DC HIPOT ADAPTER**

**INSULATED BUSHING PROBES**



**ASP-15/25**



**ASP-35U**



**HALO I** (8280 w/ Hook Head or 8281 w/ Fork Head) **AMMETERS**  
True RMS reading, peak hold mode and auto shut-off

**HALO II** (9390 w/ Hook Head or 9391 w/ Fork Head) **AMMETERS**  
True RMS reading, track mode, peak hold mode and auto shut-off



Fork Head



Hook Head

**LV-S-5/K01** – Is a hand held stray voltage detector for testing exposed metallic surfaces and conductors for the presence of low voltage 60Hz AC.



**PF-50 Cable Identifier** – Identifies the correct phases of de-energized and discharged overhead and underground cables. Consists of a transmitter and receiver that are designed to be handheld without gloves, or can be mounted and used on hotsticks. Because of its higher test voltage, the PF-50 can test a mile of cable.



**Ordering information:**

Utility Power Supply, PO Box 542, Unionville, CT 06085

860-678-UPSC (8772), Fax 860-678-0290

Website: [www.powertech-upsc.com](http://www.powertech-upsc.com)

**National Grid has an open blanket purchase order that can be used to order these items, 0000041199**

MasterCard & Visa Accepted