



# DIGITAL HIGH VOLTAGE PHASING METER

## PHASE TELL (PATENT NO. 5,136,234)

### Instrument for: Circuit Phasing/Potential Testing and URD Cable Testing

- **Circuit Potential Testing** — The digital high voltage meter can be used for measuring high voltage on cables. This includes phase to phase and phase to ground 0-40KV. Voltages up to 240KV can be obtained in 40KV increments with add on resistors Cat. No. 6703. (See chart below.)
- **URD Cable Testing** — This same meter can be used on underground cables. In addition to phasing and potential testing, the tester can be used to determine the insulation integrity of buried cables with the use of the D.C. HiPot unit. (See following page I-8 for application.)



Cat. No. 6702 Phase Tell



Close Up of Digital Meter



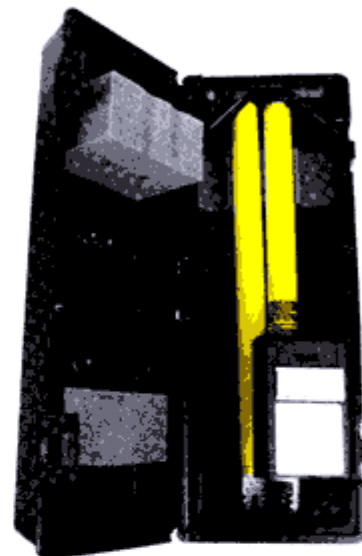
Cat. No. 6703 Extension Resistor



Cat. No. 6702-1 15/25KV Bushing Adapter



Cat. No. 6702-3 35KV RTE Bushing Adapter

Cat. No. 6702-2 D.C. HiPot Adapter (2.4KV to 35KV  $\phi$ - $\phi$ )

Phase Tell with Carry Case

## FEATURES AND BENEFITS

- **Digital** display reads directly in kilovolts with three ½" high digits on sharp contrast liquid crystal display. Readout is given to the nearest 100 volts. Example: A 12,470 volt line phase to phase reads 12.5 on display.
- The digital display has a **lighted background** that can be switched on by the operator, if needed, during use in poor light conditions. The meter is solid state design and eliminates problems associated with analog type meters.
- The unit is **powered** by a readily available 9-volt battery and is field replaceable. If a low battery condition exists, it will be indicated on the display.
- The coiled, self-retracting cable is 16" (.40 meters) retracted and 10 ft. (3.04 meters) when fully extended. This design simplifies use of the instrument.
- **Compact storage** is provided by a rugged plastic case 19"L x 7"W x 5½"H. The case will also accommodate a pair of add-on resistor extensions.
- The meter and coiled cable is attached to two 1¼" dia. x 16" long fiberglass sticks. Female universal splines are provided on one end to allow attachment on all universal hot sticks. (See Cat. Pages B-3 and B-4.) Two conductor hooks with 2" dia. are provided on other end.

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	WT.
6702	0-40KV Digital Volt Meter w/ conductor hooks. Unit comes complete with carry case, battery and instructions.	5.5 lbs.
6703	Pair of Extension Resistors to increase operating range.	1.3 lbs.
6702-1	Qty. of One (1) 15/25KV* Loadbreak Bushing Adapter. *Also fits Elastimold 35KV Loadbreak Bushing. (NOTE: Most testing will require two (2) adapters.)	0.6 lbs.
6702-3	Qty. of One (1) 35KV* Loadbreak Bushing Adapter. *Fits RTE 35KV Bushing Only. (NOTE: Most testing will require two (2) adapters.)	0.8 lbs.
6702-2	Qty. of One (1) D.C. HiPot Adapter for use up to 35KV.	0.5 lbs.
A30119	Storage Case Only 19"L x 7"W x 5 1/2"H.	2.1 lbs.
6711	0-40KV Tester Kit includes Qty. One (1) Cat. No. 6702, Two (2) 6' x 1 1/4" dia. universal fiberglass poles with vinyl storage bag	10.0 lbs.

### EXTENDED VOLTAGE RANGES FOR PHASE-TELL (Cat. No. 6702)

The Phase-Tell may be used on voltages higher than 40 kV phase to phase with additional pairs of extension resistors (Cat. No. 6703).

These extension resistors **MUST** be used in pairs to increase the voltage ranges. The multiplying factors and ranges are as follows:

Number of Resistor Pairs	Multiplying Factor	Range
0	1	40 kV
1	2	80 kV
2	3	120 kV
3	4	160 kV
4	5	200 kV
5	6	240 kV