

# Model 830220-1

## Cable Phasing Meter



- Operates at low voltage
- Battery operated
- Measures voltage up to 30 kV
- Checks phase rotation

### DESCRIPTION

The Model 830220-1 Cable Phasing Meter offers a safe and quick method of measuring voltage and determining phase rotation of underground distribution systems using the capacitance test point of elbow connectors. Most manufacturers of high-voltage cable terminators incorporate capacitance test points into their elbow connectors. These test points are designed for measuring purposes.

### APPLICATIONS

The Cable Phasing Meter is an instrument designed to measure voltage, determine phase rotation and phase out cables when connected to the capacitive test points. This instrument is battery operated and is supplied with a ground and two measuring leads.

### FEATURES AND BENEFITS

- Safe - operates at low voltage
- Measures system voltage
- Measures capacitance of test point if system voltage is known
- Checks phase rotation of cables
- Phases out cables
- Rugged; comes with portable case
- Battery operated
- Operates from potential test point of elbow connectors

### SPECIFICATIONS

#### Input

Four AA batteries (300 hours of continuous operation)

#### Measurements

##### Voltage Ranges

0 to 15 kV

0 to 30 kV

##### Accuracy

±8% (exclusive of tap capacitance variations)

##### Tap Capacitance Setting

0.4 to 3.0 pF continuous per channel

##### Frequency

50 or 60 Hz

#### Dimensions

##### Instrument

5.5 H x 2.5 W x 7.5 D in.

(140 H x 60 W x 190 D mm)

##### Case

6 H x 6 W x 9 D in.

(150 H x 150 W x 230 D mm)

#### Weight

**Instrument:** 4 lb (2 kg)

**Shipping:** 6 lb (3 kg)

**ORDERING INFORMATION**

| <b>Item (Qty)</b>  | <b>Cat. No.</b> |
|--|-----------------|
| Cable Phasing Meter  | 830220-1        |
| <b>Included Accessories</b>  |                 |
| Lead set — including two potential leads with probes and one ground lead, 78 in. [2 m] | 830222          |
| Leather carrying case  | 830223          |
| AA batteries (4)   |                 |
| Instruction manual   | 830221-1        |

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