



MODEL 1670

PORTABLE ARC REFLECTION RADAR

SPECIFICATIONS

MODES:	Arc Reflection Current Impulse (Option) Direct L1 3 phase comparison and difference
DISPLAY:	10.5" diagonal Color LCD Display Sunlight Readable
CABLE VELOCITY:	25.0% to 99.9% (Ft or Mtr/usec selectable)
MARKERS:	Two moveable vertical markers measure the distance between any two points. Distance readout continually updated.
RESOLUTION:	1 foot on the 500 ft Range, with Vf set to 53%. Increases to about 100 ft on the 50,000 ft Range.
ZOOM:	For ranges 3,000 feet and above
SAMPLING SPEED:	240 mega samples/sec
RECENTS:	30 most recent arc waveforms auto stored for easy review.
MEMORY:	100 waveform memories, manually stored
PULSE WIDTH:	50 ns to 10 usec automatically increases with range.
RANGE:	TDR: 500 -- 48,000 feet Cl: 1,500 -- 200,000 feet (Metric Selectable)
USB PORT:	USB port for memory uploads
POWER:	115/230 VAC, 50/60Hz
CHASIS:	16.25" x 13" x 6.75"
WEIGHT:	≈ 15 lbs.

ARC REFLECTION RADAR

This next generation radar is specially designed for use with thumpers connected to an arc reflection filter for "pre-locating" high resistance (pinhole) faults in buried primary power cables. It will also locate low resistance faults, splices, and opens on a stand-alone basis.

AUTOMATIC DISTANCE READOUT

Digital radar captures and holds the fault trace at the instant of the thump. Software then automatically positions a marker at the fault and the distance to the fault is indicated on the screen.

DIAGNOSTICS

Radar diagnoses and alerts operator to possible issues such as poor connections and inadequate fault breakdown.

PORTABLE

The Model 1670 portable cable radar is packaged in a rugged weather resistant plastic case. It is compatible with most combination thumper/filters.

