

TDR 2040

Cable Fault Locator  

- Measures Cable Runs Up to 2500'
- Measures Voltage Up to 250 V
- Traces Hidden Cable Runs
- Compatible with All Common Cable Types



Overview

The TDR 2040™ provides installation technicians and anyone involved in the installation or maintenance of metallic cables with the capability to quickly find faults in cables from a distance of 0 to 2500 feet.

PINPOINT CABLE DAMAGE

Cables can be damaged during or after installation. Typically the damaged section is hidden from view behind walls, above ceilings, or buried below ground. Using time domain reflectometry technology, the TDR 2040 quickly identifies an open or short and provides the distance to the problem location. The instrument can diagnose cable faults with no launch or dead zone with an accuracy of $\pm 2\%$.

The evaluation is performed by simply selecting the appropriate cable type from a pre-stored library, connecting the cable to the meter or attaching the test leads to the two conductors of the cable, and pressing a single button to directly display measurement distances to the open or short. Voltage on the conductors is continuously measured and displayed to warn the operator of a potentially dangerous condition.

The TDR 2040 will also inject one of multiple tones into the cable for tracing cables in walls or ceilings, using any standard probe.

MEASURE CABLE LENGTH

The TDR 2040 makes it easy for installers to determine the amount of cable remaining on a spool or in a box before pulling a run. When multiple runs are being installed in the same area, the first run can be measured to accurately determine the total amount of cable required to complete the job. Checking cable inventory prior to starting a job eliminates unplanned trips to buy more cable.

EASE OF USE

The TDR 2040 is simple to operate. After turning the instrument on, a cable can be measured or toned with a single push of a button. The display provides all the cable measurement information together on one screen. The built-in library of over sixty cable types makes finding the correct cable information easy. The universal banana jack test lead connectors allow for a wide range of adapters for any connector type. In addition, a BNC and F-type adapter are included. A carrying case and four "AA" batteries are included. The affordable TDR 2040 is an essential tool for any cable installer.



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Specifications

Measurement Length	Minimum: 0' or 0 m Maximum: 2500' or 750 m Accuracy: $\pm 2\%$ plus $\pm 2'$ (with correct NVP) Resolution: 1' or 0.20 m
Voltage (True RMS Responding)	Range: 0 to 250 V (AC/DC) Accuracy: $\pm 3.0\% + 1$ V
Tracing Tone	Frequencies: 575 Hz, 977 Hz, 1.0 KHz, 7.82 KHz Patterns: 4
Power	4 AA alkaline batteries
Operational Temperature	0° to 50°C (32° to 122°F)
Storage Temperature	-10° to +55°C (14° to 131°F)
Display	122 x 32 backlit LCD
Weight	0.54 lb (247 g) (with batteries)
Dimensions	7.00" x 3.20" x 1.40" (178mm x 81mm x 36mm)
Adapter Types	Banana jack to alligator test leads Banana jack to BNC connector BNC to F-type connector

INCLUDES THE FOLLOWING:

- Banana jack to alligator clip test leads
- Banana jack to BNC connector
- BNC to F-type connector
- Carrying case
- User's manual

ACCESSORIES:

- I/O-15 precision RF coaxial test cable
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