

# CABLETOOL PRO™

GRAPHICAL TIME DOMAIN REFLECTOMETER (TDR)

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For Cable Contractors, CATV, & Telco Technicians

Pinpoint Cable Damage with Incredible 0.5' Resolution

No Dead Zone Finds Close-in Faults

High Resolution to Find Multiple Faults Close Together

Measure Voltage to Identify Live Circuits

## Why CableTool Pro?

The state of the art graphical high resolution Time Domain Reflectometers (TDR) has a color touchscreen to quickly identifying multiple faults on paired metallic cables.

The CableTool Pro has a resolution of 6 inch and a 15,000 ft maximum range.

The Dead Zone effect of a standard pulse TDR can mask near end faults and make them undetectable. The CableTool Pro uses a step function to eliminate this problem. Step TDR technology means that the signal is injected at full strength until a disturbance is detected. This makes step TDR technology perfect for detecting near end faults that standard pulse TDRs can miss.

High-resolution performance allows the CableTool Pro to locate multiple problem events on the cable under test. The CableTool Pro uses a step with a sub 1ns rise time, which means the operator can identify multiple events that are less than 1ft apart. This enables the technician to tell which of two components on a cable is causing the problem, even when they are close together. This is particularly important in troubleshooting drops, because components such as splitters and ground blocks can be closely spaced.

The Expert Mode automatically finds multiple faults on the cable under test. There's no longer a need to interpret the results; they're clearly marked. This means substantial savings in training time and reduced time to get accurate, repeatable measurements.

A Compare feature allows the operator to select a saved trace to compare to a new scanned trace. This allows the technician to go back to the same cable over a varying time span to see how the cable degrades.

## CableTool Pro Features

### Cable Length and Fault Location

- Measures the Length of Paired Metallic Cable
- Automatic Multiple Event Marking
- Provides the Distance to Open or Short Cable Faults
- Automatically identifies the end of the cable

### Zero Dead Zone

- Zero dead zone at the launch allows the user to see faults immediately
- No need to adjust the range and gain with STEP TDR Technology

### Intuitive GUI

- Easier-to-use GUI interface requires little or no training
- Improved clarity and trace functionality makes it even easier to identify faults on-screen and determine noise versus the fault
- All event are marked with a red eclipse to quickly identify potential issues
- Press the red event mark and the distance to the event will be displayed
- Easily zoom in and out to display faults better
- Quickly jump to the next detected disturbance
- Live mode shows cable attached with a refresh rate of ~5 time/sec (Planned)

### Internal Storage

- Store over 100 internal traces
- Recall Traces to the display for analysis or compared with an active display to aid in fault location
- Saves Test Results Quickly with Automatic File Naming or add a custom name to easily identify cable location
- Stored trace results can also be downloaded to a computer, via the USB port or over Wifi., using the Expert software

### Expert Mode

- Speedy identification of faults
- Visual map of potential events

### Measures Voltage

- Built-in 250 V input protection filter
- Ability to connect to potentially live circuits
- Display Detected Voltage

### High-Resolution

- Even higher SNR and Resolution makes it easier to identify events that were previously difficult or impossible to find
- Graphical indication of problem areas due to contamination, pits, chips, and scratches on the cables

### Setup Features

- User Selectable Sensitivity
- Extensive Built-in Library of Cable Types
- Ability to make Custom Cables (Planned)
- Automatic Scan Length scans unknown length of cable to find cable length attached
- Multiple Profiles

### Expert Software (PC Based Software)

- Download Test Results to Review and Generate Professional Reports
- Install Firmware Updates
- Upload Profile Settings

### Mechanical Design Features

- Rugged Weather Resistant Case
- Rechargeable Li-ion Battery
- Large Color Touch Screen Interface

### CableTool Pro Includes:

- Red & Black Test Lead with Alligator Clip
- Power Adapter
- Carrying Case

### SPECIFICATIONS:

Dimensions	6.64 in. x 4.5 in. x 2.5 in. 168 mm x 114 mm x 64 mm
Weight	13.2 oz.; 387 grams
AC Power Adaptor	110/240 VAC
Graphics Display	480 x 272 x RGB, 4.5"
Interface	Color Touch Screen
Power	Li-Ion Battery Pack
Operating Temp	32°F to 122°F / 0°C to 50°C

Length Accuracy:	+/- 1% plus +/- 2 feet (with correct NVP)
Resolution:	6 inch (0.15 meters)
Maximum:	15,000 feet (4,500 meters)
Minimum:	0 feet (0 meters)
Voltage (True RMS Responding)	
Range:	0-250V (AC or DC)
Accuracy:	+/- 3% plus 1V

