

# CABLETOOL™

Multifunction Cable Meter



For Cable Contractors, CATV & Low Voltage Installers

Identify and Find the Distance to an Open or Short in Seconds

Measure Cable Length in a Box, on a Spool or in a Wall

Transmit Tone Signals for Locating and Identifying Hidden Cable Runs

CT50HR Provides Industries Best 1.2"/3cm Resolution

## WHY CABLETOOL?

### 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 underground. The CABLETOOL uses TDR (Time Domain Reflectometry) technology to quickly identify an open or a short and provide the distance to the problem location. Additionally, the tone generator feature works with standard tone probes so that the exact cable path can be traced.

### MEASURE CABLE LENGTH ON A SPOOL OR INSTALLED

The CABLETOOL makes it easy for installers to know 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.

### EASY TO USE

The CABLETOOL is simple to operate. After turning the unit on, a cable can be measured or toned with a single push of a button. The full graphics display provides all the cable and measurement information together on one screen. The built-in library of over sixty cable types makes finding the correct cable information easy. The standard banana jack connectors means that different test leads and adapters are available from many vendors.

### AFFORDABLE

Telephone and CATV companies have used TDRs to find cable problems for over thirty years. Until recently, this type of tool cost thousands of dollars. Advances in technology have allowed the CABLETOOL to provide the capabilities of previous TDRs at a fraction of the price.

## Length and Voltage Meter

The CABLETOOL model CT50 provides contractors, CATV, low voltage installers, or anyone involved in the installation or maintenance of metallic cables with the capability to quickly find faults in cables up to a distance of 2500 feet with 1 foot resolution. The New CT50HR has 1.2" resolution up to 250 feet.

Using TDR technology, the CABLETOOL diagnoses cable faults with no launch or dead zone and an accuracy to  $\pm 2\%$ .

Simply select the appropriate cable type from the pre-stored library or enter the cable NVP, attach the leads to two conductors of the cable and with a single press of a button the length of the cable or distance to an open or short is displayed.

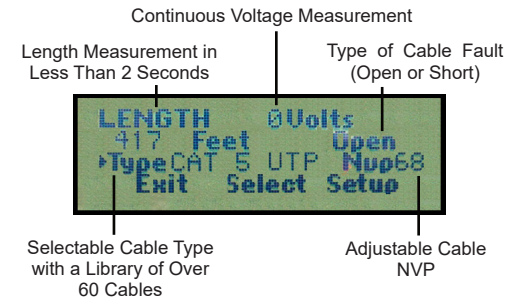
Voltage on the wires up to 250v is continuously measured by the built in, true RMS voltmeter and is displayed to warn of a potentially unsafe condition.

The universal banana jack test lead connectors allow for a wide range of adapters for any connector type. In addition, a BNC and F adapter are included. A carrying case and 4 "AA" batteries included.

The CABLETOOL will also inject a tracing tone onto the conductors to trace cables with a standard tone probe. A kit version, the model CTK5015/CTK5015HR includes the model CT15 tone probe.



## Length Measurement Screen



## Model CT50 Features

- Identify and Find the Distance to an Open or Short in Seconds with 1 Foot Resolution
- Measure Cable Length in a Box, on a Spool or in a Wall up to 2500 feet
- No Dead Zone Finds Close-in Faults
- Transmit Tone Signals for Tracing Cable Runs and Identify Cable Connections
- Measure Voltage on Powered Circuits
- Extensive Built-in Library of Cable Types
- Compatible with All Common Cables
- Displays Length in Feet or Meters
- Ergonomic design for single hand operation

## Model CT50HR Features

### Includes Model CT50 features with:

- Pinpoint Cable Damage with Incredible 1.2" / 3 cm Resolution (to 250 feet or 100 meters)
- Ideal for Precisely Locating Faults in Wire Harnesses & Cable Assemblies

## SPECIFICATIONS: Model CT50 & CT50HR

Dimensions	7.0 in. x 3.2 in. x 1.4 in. 17.8 cm x 8.1 cm x 3.6 cm	Operating Temp	32°F to 122°F / 0°C to 50°C
Weight	8.7 oz.; 247 grams	Storage Temp	14°F to 131°F / -10°C to 55°C
Power	Four AA Alkaline Batteries	Length Accuracy:	+/- 2% plus +/- 2 feet (with correct NVP)
Graphics Display	122 x 32 pixels	Resolution:	1 foot or 0.2 meters (CT50) 1.2" or 3 cm (CT50HR)
		Maximum:	2500 feet or 750 meters (CT50) 250 feet or 75 meters (CT50HR)
		Minimum:	0 feet or 0 meters
		Voltage (True RMS Responding)	
		Range:	0-250V (AC or DC)
		Accuracy:	+/- 3% plus 1V
		Tone Frequencies:	575Hz, 977Hz, 1.0KHz, 7.82KHz
		Patterns:	Four



### CableTool Multifunction Cable Meter Kit Includes:

- Red Test Lead with Alligator Clip
- Black Test Lead with Alligator Clip
- Carrying Case
- Four AA Alkaline Batteries

Learn more at: [www.psiber.com/tdr.com](http://www.psiber.com/tdr.com)

Psiber Data Systems Inc. 7075-K Mission Gorge Road San Diego, CA 92120 Tel: 619 287 9970.

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