

# TX2002

## TDR / Toner - Cable Fault Locator

64 x 128 Graphical  
TDR / Toner  
with 1% Accuracy



Low Cost Full Specification  
Professional Graphical TDR

Rugged Palm-Top design  
weighs less than 350g (12oz)

5 Measurement Ranges up to  
3500m (11,500ft)

50, 75 & 100 Ohm  
Selectable Cable Impedance

Built in Tone Generator for  
Pair Tracing and Identification

Suitable for testing all  
Communication Cables

Water and Dust Proof to IP54

Complete with tool-belt holster  
and test leads

**“The smallest graphical TDR’s in the world”**

## Description

The TX2002 is a professional Time Domain Reflectometer and Toner designed to detect and locate faults on copper communication cables up to a distance of 3500m (11,500ft).

Advanced signal processing techniques enable the TX2002 to find opens, short circuits, splices, taps, water ingress and other more elusive impedance mismatches. A built in oscillator also provides a tone for pair tracing and identification.

Selectable cable impedance matching, along with variable velocity factor, enable the TX2002 to be used to test all communication cables, including twisted pair and coaxial, with graphical results and fault distances displayed on a backlit 64 x 128 pixel LCD.

The TDR/Toner is housed in a tough, ruggedised ABS plastic moulding, water and dust proof to IP54, and supplied complete with test leads and a protective tool-belt holster.

The TX2002 is designed and manufactured to international standards for quality, safety and reliability.

## Specifications

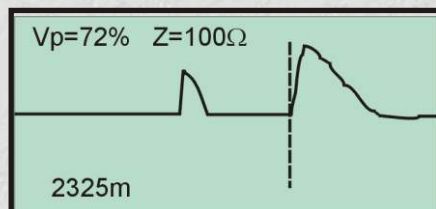
Ranges	220, 440, 870, 1750 & 3500m 720, 1440, 2850, 5740 & 11500ft	Power Supply	6v 4 x AA cells
Range Selection	Automatic range control	Auto Power Down	3 minutes
Accuracy	1% of measurement range *	Backlit Display	64 x 128 pixel
Resolution	Approximately 1% of range	Voltage Withstand Protection	250VAC
Sensitivity	min. 3 pixel return at 2km (6 kft)	Operating Temperature	0 to 40 deg. C
Velocity Factor	Adjustable from 1% to 99%	Storage Temperature	-20 to 70 deg. C
Output Pulse	5v p-p into open circuit	Dimensions	165 x 90 x 37mm
Output Impedance	Selectable 50, 75 & 100 ohms	Weight	350gms (12oz)
Output Pulse Width	25ns min. 1.6us max.	Safety	IEC61010-1 EN 60950
Scan Rate	6.7 scans per second	EMC	BS/EN 61326-1
Tone Generator	Oscillating 810 - 1110Hz	Water / Dust Proof	IP54

\* Measurement accuracy of +/-1% assumes the instrument setting for velocity of propagation (Vp) of the cable under test to be accurately set, homogeneity of the Vp along the cable length, and accurate cursor positioning.



Complete with tool-belt holster and croc clip adaptor

## Innovation through Technology



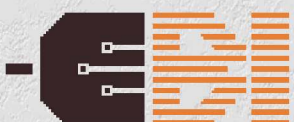
Graphical display of cable faults with digital indication of distance

**ISO9001**

**IEC61010-1**

**CE**

**BS/EN61326**



**BI Communications**

Cable Fault Locating Products

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