power and communications

T610 TDR

economy cable fault locator



- The true measure of economy. This is the ideal, low-cost, hand-portable TDR for telecommunications cable applications. It combines robust construction and operational simplicity with features usually seen only in much more sophisticated instruments.
- Simple touch-button routines. Easy fault identification is made possible by a full trace display that is enhanced by 8-level gain control for amplifying distant signals. LCD screen of outstanding clarity. Clear fault display even at the limits of the operating range.
- Ideal for reliable fault location by all levels of operator. Zoom facility gives precise fault pinpointing within the 5 kilometre range.
- Unusual for a cable fault locator in this class, the T610 has a dual input facility for connecting to a good core and a bad core, displaying the difference between the two and thus accentuating the display of the fault itself.
- Bicotest instruments are the ultimate in durability, essential in a true field-portable instrument. Bicotest is the industry standard, proven over 50 years. Comprehensive features and functions, including the high-impact-resistant screen, are tested to destruction. Fit for purpose in any climatic condition, the T610 is supplied in a Bicotest-tough, all-weather shoulder bag.

Bicotest
LEADERS IN CABLE FAULT LOCATION

AS CLOSE AS YOU CAN GET TO FAULTLESS CABLE PERFORMANCE

Specifications

T610

RANGES :		User selectable readout in metres or feet up to 5kms (16400ft). Single range, with zoom facility.
ACCURACY :		± 1% of reading, ± 1 m
RESOLUTION : (in Zoom Mode)		Varies across the displayed trace :- ■ 1 m up to 1 km ■ 2 m between 1-2 km ■ 4 m above 2 km
PROPAGATION VELOCITY :	PVF :	0.01 to 0.99 (default 0.67)
	V :	90 to 300 m/µs (default 200 m/µs) or feet equivalent
	V/2 :	45 to 150 m/µs (default 100 m/µs) or feet equivalent
GAIN :		Adjustable in 6 dB steps, 0-42 dB
PULSE CHARACTERISTICS :	Amplitude :	3.5 V into 100 Ohms
	Width :	120 ns to 5 µs automatically set according to screen positioning
	Output Impedance :	100 Ohms
	Balance Control :	Range 75 to 120 Ohms
OUTPUT :	Sockets :	2 pairs 4 mm Banana
	Protection :	Not damaged by 100 V DC or 70 V rms, 17 to 25 Hz via a 2 KOhm resistor
DISPLAY:	Type :	High resolution LCD with backlighting (switchable)
	Cursor :	Single vertical line
MODES :	Real time :	Direct Line Direct Line minus Reference
POWER :		"C" size cells - 20 hours continuous use from LR14 Alkaline cells (Auto Power-Off 5 mins after last key operation)
ENVIRONMENTAL :	Operating Temperature :	-5°C to +40°C
	Storage :	-10°C to +40°C
	Humidity :	93% at +40°C
SAFETY :		EN 41003
SIZE (mm) :		75 x 183 x 300 mm inc handle
WEIGHT (kg) :		1.95 kg inc battery
DELIVERY INCLUDES :		Weatherproof Shoulder Bag, one set of batteries, 2 x 2 m Test Leads, Operating Manual, Two-Year Warranty



Key features

- **Purpose designed for telecomms cable**
- **Dual input enables pair comparison**
- **Single range with optimised display for fast, accurate cable fault location**
- **Easy to operate - simple routines and minimal controls give easiest possible operation**
- **Large, clear waveform display of full trace for accurate diagnosis**
- **Robust construction of a true field instrument - the T610 is built to absorb years of hard use**
- **Zoom facility reveals vital details**
- **Comprehensive training and support services**

Whilst every care is taken that the information contained in this publication is correct, no legal responsibility can be accepted for any inaccuracy. The company reserves the right to alter or modify the information contained herein at any time.
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