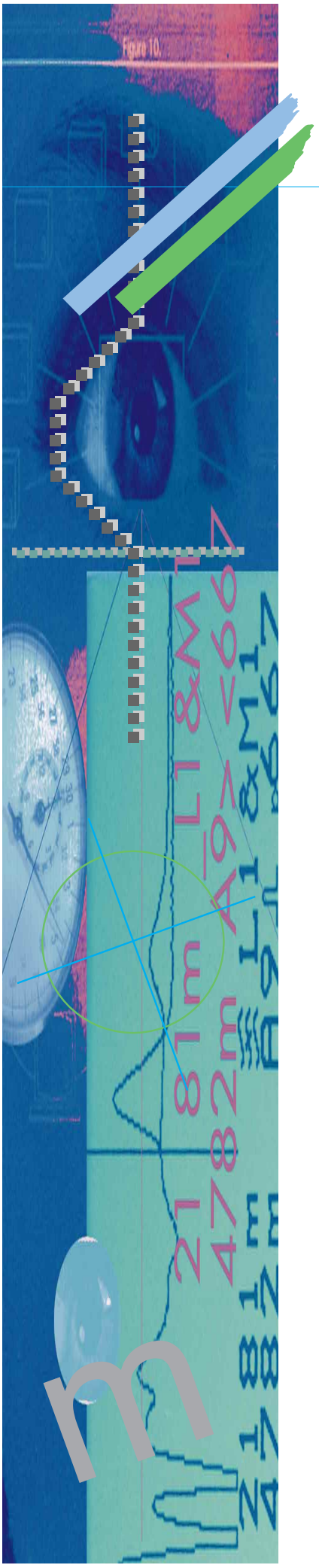


telecommunications

T617 TDR

telecommunications cable fault locator





- An advanced full function TDR for field use.
- Features direct controls for common functions, menu controls for less common functions making the product easy to use.
- Cable type defaults in the help menu pre-set the pvf to save time.
- Features 8 test modes for Telecomms use, including Line 1, Differential to Line 2 or Memory, Line 1 comparison to Line 2 or Memory, Crosstalk, Memory only and Line 2 only.
- Accurate to within 0.5m on short range, features a total range maximum of 20km, and a balance control for elimination of the transmit pulse.
- Features Zoom and Wide/Narrow pulse selection by direct control for clear fault identification.
- Six pulse widths auto programmed through range selection.
- The construction features surface-mount, ATE tested board, a shower-proof case with a tough anti-strike acrylic LCD protective window and a metal dome long life tactile keyboard to give unrivalled field reliability and service life.
- The electronics design features a fast, inherently low noise amplifier, and Bicotest's sine-squared pulse shape to give a clean, stable trace devoid of false features for reliable fault location. The amplifier allows a dynamic range right up to 84dB.
- The display is a wide temperature range LCD and features an LED type backlight for clear information at all times.
- Help facility features a cable library, sample traces, help operating text, long range trace levelling filter for Telecomms cables, trace marker feature for multiple cable sections, units adjustment between metres, feet and time, and dielectric type selection between pvf, V and V/2.
- Battery saving software features auto time outs of the instrument and backlight to give up to 20 hours continuous use.

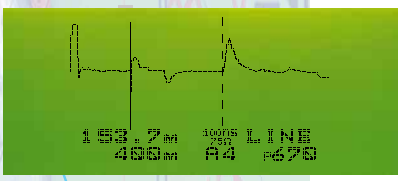
Bicotest
LEADERS IN CABLE FAULT LOCATION

AS CLOSE AS YOU CAN GET TO FAULTLESS CABLE PERFORMANCE

Specifications

T617

RANGES :		0-24 m to 0-20 km in 11 ranges with zoom facility (except on lowest range) (PVF 0.67)
ACCURACY :		± 0.24% of range at 20 kms
RESOLUTION :		± 0.1% of range at 20 kms
PROPAGATION VELOCITY :	PVF :	0.300 to 0.999
	V :	90 to 300 m/µs
	V/2 :	45 to 150 m/µs
GAIN :		0-84 dB max, selectable in 6dB steps Maximum sensitivity 4 mV full scale
PULSE CHARACTERISTICS :	Amplitude :	Nominally 20 V into 100 Ohms
	Width :	6 pulse widths 24 ns to 2.25 µs auto selected with range. Choice of wide or narrow on each range (not 24m).
	Output Impedance :	100 Ohms
	Balance Control :	0 to 220 Ohms
OUTPUT :	Sockets :	2 pairs 4mm Banana, 19mm spacing
	Protection :	The T617 will not be damaged by application of 300 V rms, 0-60 Hz to the inputs. For safety reasons it should NOT be touched or operated under these conditions.
DISPLAY :	Type :	High resolution LCD with backlighting (switchable, auto off)
	Cursor :	Solid vertical line
	Marker :	Dotted vertical line
MODES :	Real time :	Line 1, Line 2, Line 1 and Line 2 (dual), Line 1 minus Line 2 (differential), X-Talk (locates crosstalk on telephone cables)
	Memory :	Line 1 and Memory (dual), Line 1 minus Memory (differential), Memory only
MEMORY :		Single memory that retains information until overwritten
POWER :		"C" size cells - 20hrs typical use from LR14 Alkaline cells (Auto Power-Off 5 mins after last key operation).
ENVIRONMENTAL :	Water Ingress :	IP54
	Operating Temperature :	-5°C to +50°C
	Storage :	-20°C to +65°C
	Humidity :	93% at +40°C
SAFETY :		BS EN 61010/IEC 61010, BS EN 41003
SIZE (mm) :		75 x 180 x 300 mm inc handle
WEIGHT (kg) :		2.7 kg inc battery
DELIVERY INCLUDES :		Weatherproof Shoulder Bag, one set of batteries, 2 x 2 m Test Leads, Operating Manual
ORDERING DETAILS :	T617:	Language variants available
WARRANTY:		2 years



Key features

- **Full function easy to use TDR cable fault locator.**
- **For Telecomms applications.**
- **Direct keys for common functions, software controls for less common functions.**
- **Large, clear display.**
- **Highly reliable construction featuring surface mount pcb, tough all-weather case, protected LCD, low noise amplifier and Bicotest's sine-squared output pulses.**
- **Locates and measures bridge taps, splits and resplits, wet cable, opens and shorts, high resistance joints.**

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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