

Bicotest Model T625 TDR

HIGH SPECIFICATION CABLE FAULT LOCATOR

FEATURES/KEY BENEFITS

- The T625 is Bicotest's most advanced TDR cable tester, with a range of 0 to 20 kilometres.
- Suitable for any type of metallic cable, including AC live in conjunction with a T600 AC blocking filter.
- Superb long distance and short range faultfinding capability is achieved with a 20V output signal, with pulse width automatically adjusted to suit the selected range.
- Accurate to 0.5 metres in short range mode.
- Wide dynamic range enables clear fault identification, even at the 20 kilometre limit of its operating range.
- Large, uncluttered full-screen trace display for clarity.
- Eight test modes give fast fault location whether testing a single pair or comparing two pairs, one pair against any of the twelve memories, or crosstalk between two pairs.
- The T625 can measure in metres, feet or time. Dielectric can be set using propagation velocity, cable velocity or cable velocity over 2, (V/2). Onboard cable library assists fast, efficient selection.
- Fast function configuration. Dedicated keys for Cursor, Dielectric, Range, Trace Position, Pulse Amplitude and other most frequently used functions.
- HELP facility provides explanation of controls, contains sample waveforms and allows instrument to be programmed for most common cable types, giving real help to both inexperienced and expert users.
- PC compatibility, via X600 TRACEability Software System, ensures waveforms can be analysed, stored and reloaded to the TDR for on-site, dynamic comparison of the waveforms.
- Comprehensive features and functions, including the high-impact-resistant screen, are tested to destruction. Fit for purpose in most climatic conditions, the T625 is supplied in an all-weather shoulder bag.



PRODUCT SPECIFICATIONS	
RANGES:	0-24m to 0-20km in 11 ranges with zoom facility (except on lowest range) (PVF 0.67)
ACCURACY:	±0.24% of range at 20km
RESOLUTION:	±0.1% of range at 20kms
PROPAGATION VELOCITY:	
PVF:	0.300 to 0.999
V:	90 to 300m/μs
V/2:	45 to 150m/μs
GAIN:	0-84dB max, selectable in 6dB steps Maximum sensitivity 4mV full scale
PULSE CHARACTERISTICS:	
Amplitude:	Nominally 20V into 100Ω
Width:	24ns to 2.25μs selected with range
Output Impedance:	100Ω
Balance Control:	0 to 220Ω
OUTPUT:	
Sockets:	2 pairs 4mm Banana
Protection:	300V rms, 0-60Hz
DISPLAY:	
Type:	High resolution LCD with backlighting (switchable)
Cursor:	Solid vertical line
Marker Cursor:	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:	Displays one of 12 memory locations; Line 1 and Memory (dual), Line 1 minus Memory (differential), Memory only
MEMORY:	12 locations that retain information until overwritten
INTERFACE:	RS 232C to printer or PC
POWER:	Internal NiMH Batteries - 12 hours operation. (Auto Power-Off 5 mins after last key operation). Ext AC Adaptor, 120V or 230V available. Ext DC, 12V to 20V operating; 15V to 20V charging.
ENVIRONMENTAL:	
Operating Temperature:	-5°C to +50°C
Storage:	-20°C to +65°C
Humidity:	93% at +40°C
WATER INGRESS:	IP54
SAFETY:	IEC 1010
SIZE (mm):	75 x 183 x 300mm inc handle
WEIGHT (kg):	2.9kg inc battery
DELIVERY INCLUDES:	Weatherproof Shoulder Bag, 8 rechargeable NiMH cells, 2 x 2m Test Leads, AC Adaptor, DC Plug, Operating Manual.
ORDERING DETAILS:	
T625 Option A:	230V ±10%, UK Plug
T625 Option B:	120V ±10%, USA Plug
T625 Option C:	230V ±10%, Euro Plug
OPTIONAL ACCESSORIES:	
X600 TRACEability	X600 is compliant with the 32 & 64 bit versions of Windows XP, Windows Vista, Windows 7 and Windows 8.
T600FS:	Single AC Blocking Filter for use on live AC power cables.
T600FD:	Dual AC Blocking Filter for use on live AC power cables.
WARRANTY:	1 year

- Very wide range in a hand-portable cable fault locator - from 24 metres to 20 kilometres.
- Easy to operate.
- Suitable for any type of metallic cable, including live AC in conjunction with a T600 blocking filter.
- Large, clear waveform display of full trace for accurate diagnosis.
- Most faults clearly identified - from open circuits to wet joints.
- Zoom for detailed examination.
- 12 memories for on-site waveform storage and comparison.
- Measures metres, feet or time.
- Auto programming for fast configuration.
- PC compatibility for in-depth fault analysis.
- 8 test modes for fast fault location.
- Dual input enables pair comparison and crosstalk location.
- Comprehensive training and support services.

Windows and Windows Vista are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



800-620-4773

360-828-5732

www.rjmcompany.com

brianmoss@rjmcompany.com

© 2013 Radiodetection Ltd. All rights reserved. Radiodetection is a subsidiary of SPX Corporation. SPX, the green ">" and "X" are trademarks of SPX Corporation, Inc. Radiodetection and Riser Bond are trademarks of Radiodetection Ltd. Due to a policy of continued development, we reserve the right to alter or amend any published specification without notice. This document may not be copied, reproduced, transmitted, modified or used, in whole or in part, without the prior written consent of Radiodetection Ltd.