power and communications

T631 TDR

high specification cable fault locator

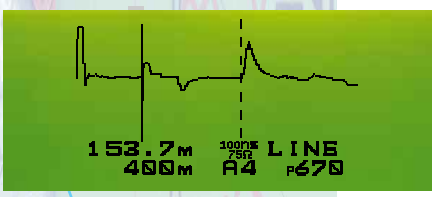




- The ultimate hand-portable cable-test tool for cable television and telecoms industries. At 3 metres it combines the shortest distance with a highly practical 12 kilometre long range.
- Automatic fault-finding is a simple touch-button operation enhanced by high resolution display. Faults and high reflective features are evaluated by a unique Return Loss Measurement function.
- This also provides a useful test method for contractors to demonstrate that connectors, taps and other cable work meets International Standards.
- A total of thirteen operating ranges with zoom facility includes very short pulse widths to identify cable features that are close together or nearby. These can be measured using the twin cursors.
- Genuine 2ns sine-squared pulse gives ultimate fault resolution.
- Pulse widths can be selected automatically for ease of fault location, or may be selected manually for uniform Return Loss Measurement.
- PC compatibility ensures waveforms can be analysed, stored and re-loaded for on-site, dynamic comparison of the waveforms when testing coaxial, CATV, CCTV and data cable systems.
- Dedicated function keys, help menu and clear display make the T631 easy to use.
- Dedicated mains blocking filter accessory gives high resolution fault location on LV mains cables.

Bicotest
LEADERS IN CABLE FAULT LOCATION

AS CLOSE AS YOU CAN GET TO FAULTLESS CABLE PERFORMANCE



Specifications

T631

RANGES :		0-3 m to 0-12 kms full screen, in 13 ranges (zoom of x2, x4, or x8 around cursor, depending on range)
ACCURACY :		Typically < 0.5%
RESOLUTION :		± 0.05% of range at 12 kms
RETURN LOSS MEASUREMENT :		0 to -30 dB
PROPAGATION VELOCITY :	PVF :	Variable 0.300 to 0.999
	V :	90 to 300 m/µs
	V/2 :	45 to 150 m/µs
GAIN :		0-60 dB max, selectable in 6 dB steps Maximum sensitivity 15 mV = full scale
PULSE CHARACTERISTICS :	Amplitude :	2.5 V into selected impedance
	Width :	2, 10, 30, 100, 300 or 1200 ns, user selectable
	Output Impedance :	50, 75 or 93 Ohms, user selectable
	Noise Reduction Filter :	16 MHz Low pass
OUTPUT :	Sockets :	BNC (Female)
	Protection :	250 V rms, 0-60 Hz
DISPLAY :	Type :	High resolution LCD with backlighting (switchable)
	Cursor :	Two active cursors with individual control
MODES :		Direct Direct and Memory Differential Direct and Memory Memory
MEMORY :		15 locations that retain information until overwritten
INTERFACE :		RS 232C to printer or PC
POWER :		Internal Ni-Cad Batteries - 8 hours operation (Auto Power-Off 5 mins after last key operation) Ext AC Adaptor, 120 V or 230 V available Ext DC, 12 V to 20 V operating; 15 V to 20 V 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) :		2.5 kg inc battery
DELIVERY INCLUDES :		Weatherproof Shoulder Bag, 8 rechargeable NiCad cells, 1 x 3 m Test Lead, BNC to Crocodile Clips, AC Adaptor, DC Plug, Operating Manual
ORDERING DETAILS :	T631 Option A :	230 V ± 10%, UK Plug
	T631 Option B :	120 V ± 10%, USA Plug
	T631 Option C :	230 V ± 10%, Euro Plug
OPTIONAL ACCESSORIES :	X600 TRACEability	IBM Windows compatible PC Interface Software, inc 3.5" disc and cable; supplied free of charge upon request
	T631F	AC Blocking Filter for use on live AC power cables
WARRANTY:		2 years

Key features

- **Purpose designed for CATV, CCTV and coaxial cable**
- **15 memories for on-site waveform comparison and storage**
- **Suitable for any type of metallic cable, including live AC in conjunction with a T631F blocking filter**
- **Genuine 2ns sine-squared pluse and short pulse widths give unrivalled definition**
- **Single touch-button automatic fault location or feature measurement**
- **All faults clearly identified - from open circuits to wet joints**
- **Unique Return Loss Measurement**
- **Use of T631F mains blocking filter gives safe, high resolution, fault location on LV mains networks.**
- **Full PC compatibility for in-depth fault analysis**
- **Measures metres, feet or time**
- **Easy to operate**
- **Large, clear waveform display of full trace for accurate diagnosis**
- **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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Bicotest
LEADERS IN CABLE FAULT LOCATION

Bicotest Limited, Delamare Road, Cheshunt, Hertfordshire, EN8 9TG England
Tel: +44 (0)1992 629011 Fax: +44 (0)1992 636170
E-mail: sales@bicotest.demon.co.uk www.bicotest.co.uk
A Servomex plc company

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