



Bicotest

AN SPX BRAND

power and communications

T631 TDR

high specification cable fault locator



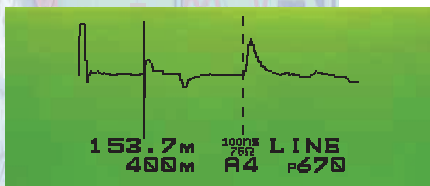
- The ultimate hand-portable cable-test tool for cable television and telecoms industries. At 3 metres it combines the shortest distance with a highly practical 12 kilometre long range.
- Automatic fault-finding is a simple touch-button operation enhanced by high resolution display. Faults and high reflective 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.

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:	1 year (2nd available as an option)



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 pulse 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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Radiodetection Ltd. Western Drive, Bristol. BS14 0AF United Kingdom
Tel: +44 (0) 117 976 7776 Fax: +44 (0) 117 976 7775 E-mail: rd.sales.uk@spx.com

Radiodetection. 154 Portland Road, Bridgton, ME 04009 USA
Tel: (207) 647 9495 Toll Free: (877) 247 3797 Fax: (207) 647 9496
E-mail: rd.sales.us@spx.com

World leaders



Radiodetection is a proud member of the SPX group of companies, which provide technical products and service solutions worldwide.

Radiodetection and its associated companies specialize in the design and manufacture of products for the location and maintenance of underground pipes and cables. Our aim is to be viewed as the supplier of choice of 'high performance' quality equipment using advanced product technologies. We are also committed to both design innovation and customer support.

Technical support



Radiodetection equipment users have easy access to technical support. A call to your regional representative, or the Radiodetection head office, will put you in contact with our team of field-experienced technical experts.

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Radiodetection has a team of factory-trained service technicians and dedicated service facilities. Turnaround is fast, and costs are very competitive.

Training



Product training for your operators and training personnel is available on your site, or at Radiodetection's headquarters. Training is with qualified instructors and each trainee receives a certificate to confirm they have received the training.

America

Radiodetection

154 Portland Road
Bridgton, ME 04009, USA
Tel: +1 (207) 647 9495
Toll Free: +1 (877) 247 3797
Fax: +1 (207) 647 9496
Email: rd.sales.us@spx.com
Web: www.radiodetection.com

Pearpoint

72055 Corporate Way
Thousand Palms CA 92276, USA
Tel: +1 800 688 8094
Tel: +1 760 343 7350
Fax: +1 760 343 7351
Email: pearpoint.sales.us@spx.com
Web: www.radiodetection.com

Radiodetection (Canada)

344 Edgeley Boulevard, Unit 34
Concord, Ontario L4K 4B7, Canada
Tel: +1 (905) 660 9995
Toll Free: +1 (800) 665 7953
Fax: +1 (905) 660 9579
Email: rd.sales.ca@spx.com
Web: www.radiodetection.com

Europe

Radiodetection Ltd (UK)

Western Drive
Bristol BS14 0AF, UK
Tel: +44 (0) 117 976 7776
Fax: +44 (0) 117 976 7775
Email: rd.sales.uk@spx.com
Web: www.radiodetection.com

Radiodetection (France)

13 Grande Rue, 76220
Neuf Marché, France
Tel: +33 (0) 232 8993 60
Fax: +33 (0) 235 9095 58
Email: rd.sales.fr@spx.com
Web: <http://fr.radiodetection.com>

Radiodetection (Benelux)

Industriestraat 11
7041 GD 's-Heerenberg, Netherlands
Tel: +31 (0) 314 66 47 00
Fax: +31 (0) 314 66 41 30
Email: rd.sales.nl@spx.com
Web: <http://nl.radiodetection.com>

Radiodetection (Germany)

Groendahlscher Weg 118
46446 Emmerich am Rhein, Germany
Tel: +49 (0) 28 51 92 37 20
Fax: +49 (0) 28 51 92 37 520
Email: rd.sales.de@spx.com
Web: <http://de.radiodetection.com>

Asia-Pacific

Radiodetection (Asia-Pacific)

Room 708, CC Wu Building
302-308 Hennessy Road, Wan Chai
Hong Kong SAR, China
Tel: +852 2110 8160
Fax: +852 2110 9681
Email: rd.sales.cn@spx.com
Web: www.radiodetection.com

Radiodetection (China)

Hongfu Mansion, Room 61622
Zheng Ge Zhuang, Bei Qi Jia Town
Chang Ping District
Beijing 102209, China
Tel: +86 (0) 10 8975 5540
Fax: +86 (0) 10 8975 5640
Email: rd.service.cn@spx.com
Web: <http://cn.radiodetection.com>

Radiodetection (Australia)

Unit 14, 5-7 Prosperity Parade
Warriewood NSW 2102, Australia
Tel: +61 (0) 2 9979 8555
Fax: +61 (0) 2 9979 7733
Email: rd.sales.au@spx.com
Web: www.radiodetection.com

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