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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can all us for FREE!



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1502B/1503B Metallic TOR Cable Testers

TYPICAL APPLICATIONS

Telephony
 Computer/LAN
 CATV

Power Company Field Testing
 Communications Providers
 Cable Manufacturing Tests
 Third Party Maintenance
 Airline Maintenance/Testing

Time Domain Reflectionstry (TDR) the portable ranged 1802B and 1803B TDR. Cable. Texters are portable implications of the portable range and will test most that conductive constitute. The 1800B Series uses TDR indextifute and locate cable fault. When the tester is connected to the first to be tester in sunds out electrical pulses that are changes in the cable. The 1800B Series used to the first of the changes in the cable. The 1800B Series Located the 1800B Series and 1800B Series are found to the 1800B Series TDRS display impedance changes in the cable as a function of distance. Moving

FEATURES

information Screens
 High Contrast LCD
 Portable
 Waveform Storage
 PC Controllable
 Optional Chart Recorder

. Easy to Use

Optional Battery Pack
 Typical Cable Measurements
 Distance to faults
 Cable propagation velocity

Cable propagation velocity
 Loss and load mismatch
 Quantification of damage from opens, shorts, frays, crimps an water

Stripline and cable impedance
 Characterizing LAN installations
 1502B High Resolution MTDR
 The 1502B transmits 200 ps rise time step pulses down the cable unsfor rest. The reflected energy is displayed on the LCI

cable with a velocity of propagation equal to 0.66, the 1502B Metallic TDR allows the determination of 0.5 obra cable faults. Multiple faults as close together as 0.8 of an inch can be resolved.

The 1502B has a menu selectable obris-

matched to 50 ohm cables, but may bused on others by adjusting the free panel vertical scale control or using of tional impedance adapters.

The 150GB has a range of 2000 feet at the best MTDB for high monotries for

is the best MTDR for high resolution fast location on short lengths of cable. 1903B General Purpose MTDR The 1603R MTDR resolutes high-energy

cable runs. The 18988 has 2, 10, 100 as 18000 nanosecond pulse widths. Use of ti 2 ns pulse width results in determinati of multiple faults as close together as o foot. Cable impedances of 50, 75, 93, as 125 chins are selectable at the fro

The 1503B has a range of 50,000 feet and is the best metallic TDR for general purpose applications. 1503B Option 06 for Ethernet Testing

1903B Option 06 for Ethernet Resting The 1505th with Option 06 allows TD testing of an active Ethernet bus. Test are provided for detecting transceiver that ignore the collision signal (babblin transceivers) and transceivers that ignor the carrier sense signal.

Menus Selections

The 15/2B and 15/0B offer a variety of parameters and information that can be accessed using nersus. The main reens allows you to access: Help Screenc, Velocity of Propagation Wakes; Empedances of Different Cables; Instrument/Prost Basel Configurations; and Instrument: Diagnostics. YTI Cart Recorder

permanent records of cable tes ion 04 (YT1) chart recorder is as both the 1502B and 1503B.

Surser	sc 56,40 ft	Tektronix 15038 TDR Date
ictor Filter 1 ava Pover ac Pulse Vidth 10 ns mPedance 50 Ω	j. L	Input Trace

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CHARACTERISTICS

TOR CABLE TESTER

Dist/Div-0.1 to 200 ft/div: 0.025 to 50 m/div.

1503B METALLIC TOR CABLE TESTER

Test Signal-'s size Pelsewidths-2, 10, 100, 1000 need Input Protection-±600 V (dc + peak ac). Dist/Div-1 to 5000 fully; 0.25 to 1000 milly.



COMMON CHARACTERISTICS

POWER REQUIREMENTS AC Power-Line Voltage: 115 V ac (90 to 152

BC Power-Battery Pack Operation (Option

Full Charge Time-20 hours miximum.

PHYSICAL CHARACTERISTICS Weight ~

ORDERING INFORMATION 1502B Metallic TDS

Includes: AC power coed; 50 9 BNC terminator tor (103-0028-00); Spare fuse; operator's 1503B Metallic TDR \$4,600 Includes: AC power cord, 50 9 BNC terminator

OPTIONS Option 03-Battery Pack

INTERNATIONAL POWER PLUG OPTIONS Option A3-Australian 240 V. 50 Hz

Option A4-North American 240 V, 60 Hz

OPTIONAL ACCESSORIES (1502B/1503B) Battery Park Order 016-0633-00 *1 YT1 Chart Becorder-Chart Paper-

\$19.25 (1502B only)

(50/75 Q)*1 Order 097-0091-00. BNC female-to-BNC male BNC female-to-dual banana plug BNC male-to-dual binding post.

(1500B only) 840 BNC female-to-dual banara plug BNC male to BNC male + 8930 BNC female to UHF female.

meetors: BNC female-to-GR 617,0063-00