TSE 7512
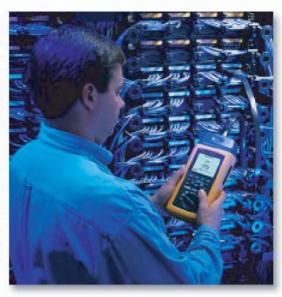**Cable Network Testing System**

TSE 7512 Cable Network Testing System

DESCRIPTION

The Network-Cable checker helps to identify and localize disconnections, short-circuits and changes in structural cabling systems used for telecommunication or data networks. It uses a variety of analyzing tests in a very quick and reliable manner. Pushing the quick-info-button, the TSE 7512 does an automatic diagnostics of present cable defaults and displays the results with a graphical diagram. In addition to well-known RJ45 connectors, the unit can be used for cable measurements fitted with all different manufacture specific Cat 6 connectors. For this, optional adapters for each connector are available. Furthermore, there is a fiber-optic-test-adapter, which uses the two-way information exchange possibility to compare the length, the lighting energy, the return-loss and the delay of two fiber optic cables at the same time.

USAGE

The TSE 7512 can be utilized for measurements on any structural cabling system of a telecommunication or data network system. All available connection standards of cables and connectors are testable. The units are constructed for use with future network system by using a variety of module and different measurement adapters. There are no problems with the new Cat 6 connector, or with fiber optic cables of network fiber-to-desk solutions. A logically constructed, precise defined software menu shortens the handling time, and supports quick analysis. The comfortable Windows®- based DSP-LINK software provides comparisons of all stored data information. During technical surveillance countermeasure, a Sweep Team is able to detect in a very quick and user-orientated manner all faults on cables and wire combinations.

FEATURES

THE NETWORK-CABLE CHECKER TSE 7512

- Allows reliable handling under pressure, which is advantageous to your Sweep Team and the sweep time available.
- Reacts very quick by using high speed digital technology
- Decreases the handling time with every sweep because of the logical menu structure
- Completes an automatic cable default test with precise interruption detection
- Comes with specific measurement applications for Cat 5, Cat 5E, Cat 6
- Uses the new manufacture specific Cat 6 connection
- Makes measurements of up to 350 MHz network speed
- Displays all curves of NEXT, ELFEXT, PSNEXT, Attenuation, ACR, propagation
- Delay and return loss up to 350 MHz
- Works as a fiber optic measurement system
- Has a connector to plug a head set for a two-way-conversation between sending an receiving unit
- Possesses a switchable sound generator for cable tracing and connection
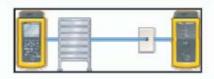- Identification in LAN-networks

- Comes with free additional Windows®- based DSP-LINK software,
- Checks the data flow between 10 Base-T and 100 Base-T Ethernet systems and helps settling th various HUB-connectivity

TECHNICAL DATA

Measurements on the following cable types	
STP & UTP LAN:	TIA Category 3, 4, 5, and 5E: 100W
	ISO/IEC Class C and D: 100Wund 120W
ScTP LAN:	TIA Category 3, 4, 5, and 5E: 100W
	ISO/IEC Class C and D: 100 W and 120W
SsTP LAN:	ISO/IEC Class C and D:100W
Shielded Twisted Pair (STP) 150W	IBM Type 1, 6, and 9
Coaxial-Cabling	10BASE5 ThickNet, 10BASE2 ThinNet
	RG-58, RG-58 Foam, RG-59, RG-59 Foam
	RG-8, RG-8A/U, und RG-62.
Fiber-optic cabling:	Single- and Multi-Mode with opt. adapter

Test-Standards	
TIA Category 3 and 5 per TIA TSB-67: Basic Link or Channel	
TIA Category 5 (new) and 5E: Basic Link or Channel	
ISO/IEC 11801 and EN 50173 Class C and D: Link	
ISO/IEC 11801 and EN 50173 Class C and D (new): permanent Link oder Channel	
Aus/NZ Class C and D: Basic Link or Channel	
STP-cabling, (IBM Type 1, 150 -)	
ANSI TP-PMD IEEE 802.3 10BASE5, 10BASE2: Ethernet over coaxial-cable	
IEEE 802.3 10BASE-T, 100BASE-TX, 1000BASE-T: Ethernet over ‚Twisted Pair‘-cabling	
IEEE 802.5: Token Ring, 4 Mbps or 16 Mbps	

Includes	
Display:	Graphic bit-mapped LCD with back light and adjustable contrast
Test connections:	Variable (depending on Link Interface Adapter
Input Protection:	Protected against continuous telco voltages and 100 mA over-current
Dimensions	**Weight**
11" x 5" x 3" (28 cm x 12.7 cm x 7.6 cm)	Main unit: 3 lbs., 4 oz (1.5 kg)
	Smart remote: 3 lbs., 1 oz (1.4 kg)
Power	
Rechargeable NiMH battery 7.2V, 3400 mAH	Typical battery life 10-12 hours recharge time of 4 hours

Contact

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... we look forward to being by your side.

Elaman GmbH reserves all right to change all specifications without prior notice.