

Teleflex MX

TDR time domain reflectometer for cable fault location



- Large clear structured display
- Easy operation with intuitive menus
- Display of up to 6 traces
- Automatic storage of all measurements
- Supports all existing prelocation methods
- Automatic recognition of the cable end and the fault position

sebaKMT

Teleflex MX

TDR time domain reflectometer for cable fault location

Description

The Teleflex MX is a microprocessor controlled reflectometer for cable fault prelocation on electricity networks. Comfortable and easy operation are achieved by the clear display structure and the automatic test sequence.

Data acquired can be printed directly to a printer or generated in *.pdf format and copied to a USB memory stick.

Archive operations via export/import to PC over USB memory stick are available.

The Teleflex MX performs the following tests:

- Three-phase TDR measurement (pulse reflection)
- Display of up to 6 traces
- ARM Arc Reflection Method (active and passive)
- ICE Impulse Current Method
- IFL Intermittent Fault Locating
- Voltage Decay Method
- ARM Burning

The reflectometer is built into cable test vans like VARIO KMT, Classic, Most older test vehicles can be retro-fitted.

Features

- Ease of operation through the rotary selector and quick-access buttons for Phase and Mode Selection, Help, History
- History feature, automatically storing all measurements for 7 days
- Three phase TDR (Time Domain Reflectometer) and simultaneous coloured display of all three phases
- Automatic trace analysis (cable end and fault position indication)
- Large 15" TFT VGA colour display
- Greater resolution through faster sampling rate
- Internal compensation for better fault location at short range
- large memory for more than 10,000 traces for long-term storage
- USB interface for memory stick and printer
- Report generation in *.pdf format
- User friendly archiving of results via export/import to PC over USB memory stick
- Many user language available.

Scope of delivery

Set of connecting cables
Set of connecting clips

Options

Control Panel
Winkis software



Technical Data

Ranges	50 m to 160 km at $v/2 = 80 \text{ m}/\mu\text{s}$
Pulse width	50 ns, 100 ns, 200 ns, 500 ns, 1 μs , 2 μs , 5 μs
Resolution	max. 0.1 m
Max. sampling rate	100 MHz
Update rate $v/2$ settings	approx. 10 pictures / sec.
Propagation Velocity $V/2$	10 ... 149.9 $\text{m}/\mu\text{s}$ or $\text{ft}/\mu\text{s}$ or nvp
Dynamic range	> 80 dB
Output impedance	50 Ω
Compensation	25 Ω ... ∞ , adjustable in steps
Operational modes	Symmetrical reflection measurement Unsymmetrical reflection measurement Differential measurement Core comparison ARM Arc Reflection Method ICE Impulse current Voltage Decay Method IFL Intermittent Fault Locating ARM Burning
Display	15" – colour TFT VGA 1024 x 768
Internal memory	autom. History for last 7 days and memory for more than 10,000 traces
Interfaces	USB for printer and memory stick
Supply	110 ... 240 V, 50/60 Hz, 50 VA
Dimensions (W x H x D)	483 x 295 x 258 mm (19" plug in, 6 HU)
Weight	approx. 15 kg
Operation temp.	0 °C ... +50 °C
Storage temp.	20 °C ... +60 °C

ISO 9001:2000

sebaKMT

**seba
dynatronic**

hagenuk **KMT**
KABELMESSTECHNIK GmbH

Product Range: Instruments and Systems for Fault Location in Power and Telecommunication Networks and for Leak Detection in Water Distribution Systems • Cable and Pipe Locators • Seminars • Service • Contracting

SebaKMT • Dr.-Herbert-Iann-Str. 6 • 96148 Baunach/Germany • Tel: +49 (0)9544-680 • Fax: +49 (0)9544-2273
sales@sebakmt.com • www.sebakmt.com

Technical data subject to change without notice.

LFT_Teleflex MX_eng_2006_14