

Timer Domain Reflectometer Teleflex LV



- **Detection of illegal taps**
- Measurement on live cables with CAT IV/600 V (with TF3 filter)
- Highest resolution in close range applications.
- With the new Teleflex LV, SebaKMT offers a technology that delivers excellent results in this area.
- Successful field testing during the past years has proven the suitability and showed that even inexperienced technicians can easily recognize and locate deviations from the normal appearance of the cable.

Technical Specifications:

- Ranges: 2.5 m, 5 m, 10 m, 20 m, 40 m, 80 m, 160 m, 320 m, 640 m
- Range selection: manual
- Resolution approx. 1% of range
- Accuracy 1% of range *
- Velocity factor 1% ... 99% (2.5 ... 148,5 m/μs)
- Memory capacity 50 traces
- Tone generator 810 ... 1100 Hz
- Output pulse 5 Vp-p (open circuit)
- Output impedance adjustable 25, 50, 75 and 100



Timer Domain Reflectometer DigiflexCOM

- Measuring ranges 50 m to 30,000 m (zoomed 5m)
- Measurement types Direct measurement with internal replication; IFL mode (intermittent fault location); comparison measurement of two pairs; differential measurement of two pairs; coupling measurement; permutation; water ingress with optional fault converter
- Pulse widths 5; 10; 20; 50; 200; 750; 3000 ns
- Distances m; ft; μs
- Max. resolution 2.5 cm
- Accuracy +/- 0.1 % of the measuring range +/- current resolution
- V/2 setting 30 - 150 m/μs 98 - 492 f/μs
- NVP factor 0.200 - 0.9999
- Dynamic 90 dB
- Display 256 x 128 pixels
- Pulse amplitude 10 V at 130 Ohm
- Internal replication 40 - 200 Ohm
- Power supply NiMH rechargeable battery
- External: 230 VAC 11 - 15 VDC
- Operating temperature -10 °C ... +50 °C
- Storage temperature -20 °C ... +60 °C
- Housing Plastic, IP 55 as per DIN 40 050
- Dimensions (WxHxD) 260 x 176 x 70 mm
- Weight 1.5 kg



Timer Domain Reflectometer T3060

- Based on the same hardware and software that is used for the cable fault location systems EZ Thump and SmartThump, the new Teleflex T 3060 reflectometer is designed to provide the user with a cross-system operational concept.
- The new Teleflex T 3060 can be used as a battery-operated stand-alone unit, or in combination with small, portable system.

Technical Specifications:

- Range: 8km/64km
- Reflection measurement: ARM / ICE /DECAY
- Resolution: Approximately 1% of range
- Accuracy: 0.8% of measurement range *
- Velocity Factor: Adjustable from 1% to 99% (10.....150 m/μs)
- Output Pulse: 5 Vp-p into open circuit
- Output Impedance Selectable: 50, 75 and 100
- Output Pulse Width : 25 ns min. 1.6 μs max.
- Sampling Rate; 100Mhz



Timer Domain Reflectometer Teleflex SX

- The digital TDR Teleflex SX is designed for the location of low resistance faults and interruptions in low and medium voltage cables.
- When connected to a shock discharge generator and an ARM® filter, the combination is best suited for pre-location of high resistance and intermittent faults
- Self-explaining menus – automatic test modes
- Bright colour display for use even in direct sunlight
- Very high near-end-resolution
- Two signal inputs for direct line comparison
- Large 10.5" screen

Technical Specifications

- Range TDR 10 m ... 50 km
- 15 Traces per ARM shot
- Transient 20 m ... 100 km
- Pulse Width 35 ns to 4 µs
- Sampling rate 200 MHz
- Time Base Accuracy ± 0.01 %
- Display 10.4" VGA colour TFT display
- V/2 50 m/µs ... 150 m/µs
- Modes Direct L1, Direct L2,
- Comparison L1 / L2,
- Difference L1 – L2,
- ARM-Mode, Impulse current method, Voltage decay
- Memory 100 traces
- Interface RS 232 for PC and printer



Timer Domain Reflectometer Teleflex-VXP

- 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.

The Teleflex VX 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

Technical Specifications:

- 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 m/µs or ft/µs or nvp
- Dynamic range > 80 dB
- Output impedance 50 Ω
- Compensation 25 ½ ... °, 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

