



Teleflex T 30-E

Time Domain Reflectometer

Benefits:

- ▶ **Digital TDR for the fault location on low and medium voltage networks**
- ▶ **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**



Description

The digital TDR Teleflex T 30-E is designed for the location of low resistance faults and interruptions in low and medium voltage cables. The integrated battery power supply makes it an ideally suited instrument for field use.

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.

The Teleflex T 30-E offers convenient operator support with online help and one-button-operation and it automatically shows the far end of cable and fault distance in the ARM-Mode.

Even inexperienced users can easily locate faults with the "Step-by-Step Easy Mode". The operator is guided through the fault locating process. On the other hand, the "Expert-Mode" provides free access to all parameters for comprehensive fault locating even under difficult conditions.

Technical Features

- ▶ One-Button-Operation
- ▶ 10.4" VGA colour TFT display
- ▶ Quick-Steps Mode with automated test procedures
- ▶ Step-by-Step Easy Mode with online help guidance
- ▶ Expert Mode with selectable parameter feature
- ▶ Automatic far end indication and fault recognition with distance indication
- ▶ Impulse current and voltage decay method
- ▶ High resolution in the short range with great accuracy using special pulse forms
- ▶ High dynamic range with distance related amplification
- ▶ Display of 3 pulses
- ▶ Zoom
- ▶ Memory for 100 pulses
- ▶ Mains and battery operated. Rechargeable NiMh batteries

Technical Data

Range	TDR 10 m ... 50 km 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
Impedance matching	12 Ω ... 150 Ω
Operating temperature	-15 °C ... +50 °C
Mains supply	NiMh-Batterie, 230 V; 50 / 60 Hz (110 V optional), 12 V DC
Dimensions (W x H x D)	360 x 160 x 270 mm
Weight	6 kg

Scope of Delivery

- ▶ TDR Teleflex T 30-E
- ▶ Cable set
- ▶ Operating manual

Options

Completing to fault location system with:

- ▶ Portable fault location system "Surgeflex"
- ▶ Shock discharge unit SWG with ARM filter
- ▶ Mains pulsing switch for intermittent faults in LV networks
- ▶ Mains filter for location on live LV cables