



T-900 Hand-held TDR unit

The T-900 is an easy to use, compact hand-held instrument for accurately locating open-circuit and low-impedance faults on metallic cables, using time-domain reflectometry (TDR). Comparison of TDR traces from the three phases of a faulty cable, can be used to identify differences between them, providing another useful aid to fault location.

The unit can also calculate the velocity of propagation (V_{OP}) of a known length of cable or measure the length of cable on a drum, where the V_{OP} is known.

Features

- Available in three versions with 8, 16 or 32km range
- Digital gain control
- Data transfer via USB flash memory for analysis on PC
- Automatic waveform identification eliminates dead zone
- Automatic impedance matching
- Large colour display with simple user interface
- 10 hours operation on one battery charge
- Resolution to 1m

Specification

Technical Parameters	Parameter Value
Range	8km (16 and 32km are also available as options)
Accuracy	±0.5% of range
Resolution	Minimum resolution 1m
Pulse	±30v, 40ns-10us with automatic adjustment
Sampling rate	100MHz
Balance	25 - 300Ω automatically adjusted
Velocity of propagation	40-300m/μs
Dead zone	There is no dead zone
Power consumption	1W
Overvoltage Protection	250V
Batteries	Lithium, 2 pcs of 18650 batteries in series
Charger	Input: AC110-240V, output: 8.4V
Battery life	10 hours
Dimensions	204 x 100 x 36 mm
Weight	0.38kg
Operating temperature	-10°C to +50°C
Ingress Protection	IP53

Delivery includes:

- TDR Cable Fault Locator
- Test Leads
- Battery charger
- Carry bag
- User manual
- CD with management software
- USB flash memory



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