

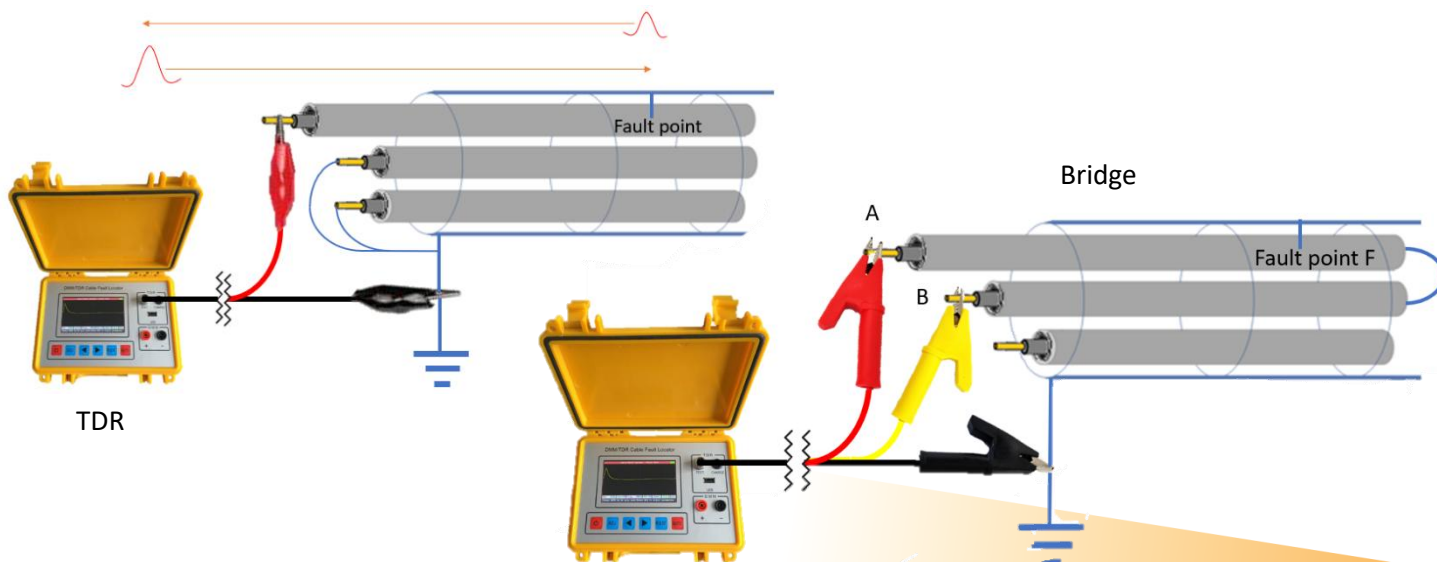


T-901 Compact TDR and Bridge

The T-901 combines time domain reflectometry (TDR) and bridge technology to provide a compact, comprehensive fault location instrument. The TDR function can accurately locate open-circuit and low-impedance faults on metallic cables, while for high resistance faults, which cannot be detected by TDR, the bridge function provides an alternative approach, where the internal impedances balance the ratio of the distances between the measuring point and the fault point AF and BF (see below), allowing the distance to the fault to be calculated.

Features

- Available in three versions with 8, 16 or 32 km range
- Data transfer via USB flash memory for analysis on PC
- Automatic impedance matching I
- The bridge is suitable for insulation resistance up to 100 MΩ
- Integral Ohmmeter
- 8 hours operation on one battery charge



Specification

Technical Parameters	Parameter Value
Range	8 km (16 and 32 km are also available as options)
TDR Accuracy	1 m
Resolution	Minimum resolution 1 m
Pulse	±30 v, 40 ns-10 us with automatic adjustment
Sampling rate	100 MHz
Balance	25 - 300Ω automatically adjusted
Velocity of propagation	40-300 m/μs
Dead zone	There is no dead zone
Bridge insulation resistance	<100 MΩ
Bridge accuracy	1% of cable length
Batteries	Lithium, 2 pcs of 18650 batteries in series
Charger	Input: AC110-240 V, output: 8.4 V
Battery life	8 hours (Charging time 4 h)
Dimensions	220 x 160 x 90 mm
Weight	1kg
Operating temperature	-15°C to +50°C
Ingress Protection	IP54

Delivery includes:

- T-901 Cable Fault Locator
- Test Leads
- USB Memory
- Battery charger
- Carry bag
- User manual



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