

Step 1 of 4 · Pre-location

TDR-901

Time domain reflectometer



Battery-powered reflectometer that measures the distance to a cable fault in metres, before the surge generator and the pinpointer go out.

The TDR-901 sends a low-voltage pulse into the cable and times the echo. An open circuit, a short circuit or a joint shows on the trace as a reflection, and the instrument turns the delay into a distance in metres. It samples at 200 MHz over a range of up to 100 km.

Range	Sampling
100 km	200 MHz
Battery	Weight
7 h	3.5 kg

Key features

- Three methods: low-voltage pulse (TDR), arc reflection (ARM) and impulse current (ICM)
- 200 MHz sampling and a 100 km measuring range
- 7-inch touch screen, readable in sunlight
- Adjustable gain
- Traces kept in internal memory and sent to a computer over USB
- Internal rechargeable battery for up to 7 hours
- Connects to the PG-32 surge generator
- Supplied with a calibration approval and certificate

Applications

Pre-location of open circuits and short circuits in buried power cables, and of high-resistance faults together with a surge generator.

Specifications

Measurement

Test methods	TDR, ARM, ICM
Measuring range	100 km
Sampling frequency	200 MHz
Gain	Adjustable

Display and data

Display	7 in touch screen, readable in sunlight
Controls	Soft keys under the screen, rotary dial, power key
Memory	Internal, for stored traces
Computer link	USB, port on the panel

Connections

Test lead	Screw-lock socket on the panel
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Power and environment

Battery	Internal, rechargeable, up to 7 h
Input supply	AC 185 to 230 V, 50 to 60 Hz
Operating temperature	–10 to 40 °C
Relative humidity	5 to 90 %
Protection class	IP43

Mechanical

Dimensions (H × W × L)	81 × 218 × 274 mm
Weight	3.5 kg
Body	Plastic
Case	Orange moulded hard case, gasketed lid with two latches

Service

Calibration	Approval and certificate supplied
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In the box

USB cable for data transfer

Cable to the short-gap filter

Filter

Charging cable

Touch pen

Carrying case

Quantities are given in your quotation.



As photographed. Items shown may differ from the scope of supply.