

CP-7 (24)

(24)

TECHNICAL SPECIFICATION FOR CABLE FAULT LOCATOR SET

The TDR fault locator must be suitable for use by a wide range of operation of all levels of technical knowledge. It must be capable of measuring distance to fault in telecom and signalling cables. :

The instrument should be able to locate the following faults : open, short, load coils, bridge taps/laterals , cross, splice/joint & water in copper cables.

The instrument should have following features :

- Instrument should have two pair test capability
- Should be splash and drip proof
- Should have single button zoom function
- Should have splits/crosstalk mode
- Should measure distance to fault in meters, feet or time
- Should have left/right buttons to navigate through the cable length

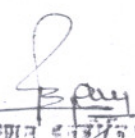
Physical Specification:

Size: 141 x 211 x 43mm
Weight: ≤ 1.1 kg
Power Supply: 6 x AA Battery
Power operating time: > 4.5 hours with backlight off
Battery Saver: Selectable for 5 to 30 min or disabled

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|----------------------------|---|
| Test Signal Output | 1/2 Sine, balanced |
| Amplitude | 6V into 105 |
| Output Impedance | 105 nominal |
| Pulse Widths | 5 ns to 2500 ns |
| Input Protection | ±200 V, DC + peak AC, to a maximum of 440 Hz |
| Maximum Range | 15,000 m (45,000 ft.) depending on cable type and condition |
| Accuracy | +/- 3ft at 10000 ft |
| Cursor Resolution | 0.4% of selected range |
| Display | 5.25in high-contrast, high-resolution, backlit LCD, 520 x 200 pixels. |
| Display size | 12.4 x 6.4 cms |
| Display Ranges | Eleven automatic display ranges plus single-button expand window |
| Filter | High pass, cut off frequency 150 kHz, user selectable |
| Amplifier | 5 mV reflection produces a full-screen vertical deflection |
| Gain | 0 to 63 dB |
| Horizontal Design Accuracy | 0.01% ± 300 ps ± Vp uncertainty ± cursor resolution. |

Standard accessories:

The equipment comes with Test Leads (Two Sets), Soft carrying case with shoulder strap, 6 x AA Alkaline batteries.


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