

FEATURES

- TDR for coaxial cables
- Small size, suitable for using in the field.
- Widest measurement range (up to 20 km), for a hand-held cable-fault locator
- Long time test mode to locate intermittent faults
- Memory space for on-site waveform and settings storage
- Large and clear waveform display of full trace for accurate diagnosis, 192 x 192 LCD display with LED backlight
- Zoom function for detailed examination
- Easy to operate
- Built-in database for typical VOP values.
- Automatic VOP calculation provided
- System setup saving possibility
- Built-in help for typical waveforms
- Results can be logged on an external printer or PC via RS232C
- Internal rechargeable NiMH battery pack
- Battery level indication is provided
- Special software for performing the calibration of the instrument

APPLICATIONS

ETDR 10C has been designed for quick and accurate fault location of coaxial telecommunication cables. All faults can be clearly identified.

Long-time measurement is provided for finding intermittent faults. In long-time mode the measurements are repeatedly running for a desired time and the obtained waveforms are displayed altogether. If during the test period the features of the tested cable change due to a bad contact, the location of the fault will be easily and clearly identifiable.

The equipment is capable of recalling and displaying a stored waveform to compare with the currently obtained waveform.

There are dedicated keys for the most frequently used functions for fast and easy configuration of measurements.

The intelligent, microprocessor controlled automatic charger-discharger circuit of ETDR 10C offers regenerative charging method to extend the battery life.

SPECIFICATIONS

Measuring modes

| Short Time Test | Location of cable faults | |
|-----------------|---------------------------------|--|
| Long Time Test | Location of intermittent faults | |
| Cable & Memory | Comparison to memory | |
| Cable – Memory | | |

Nominal measuring ranges (VOP=0.666)

| 1 |
|---|
| 2250 m (820 ft) |
| 3500 m (1640 ft) |
| 41000 m (3281 ft) |
| 52500 m (8202 ft) |
| 65000 m (16405 ft) |
| 710000 m (32809 ft) |
| 820000 m (65619 ft) |
| (Maximum range depends on cable type and condition) |

Evaluation of results

| With cursor and marker | in meter or ft | | | | | |
|----------------------------|----------------|--|--|--|--|--|
| Zoom | | | | | | |
| Selectable | 1 to 5 | | | | | |
| Resolution | | | | | | |
| with zoomwithout zoom | | | | | | |
| Accuracy | | | | | | |
| Accuracy of fault location | 0.4% of range | | | | | |



| | | | | Power supply |
|----------------------------------|----------------|-----------------|-----------------------------------|--|
| VoP range: Resolution: | | | | From internal battery8 hours operation after full charge without backlight |
| Gain control | | | | From mains adapter110/220V+ 10%, 50/60 Hz |
| Range | | | | When the mains adapter is connected the battery |
| Steps | | | 6 dB/step | is automatically charged |
| Maximum ser for full-scale of | | | , 5 m\/ | , , |
| TOT TUIT-Scale C | ienection | | VIII C± | Battery management |
| Pulse characte | eristics | | | The processor controlled battery manager provides |
| Width | 01.00.00 | | | Normal charging:appr.10 hours |
| | olo widtho oro | provided for | ooch rongo: | Fast charging:appr.3.5 hours Regenerating charging:appr.6 hours |
| Three selectal Range | Narrow | Medium | Wide | Battery level indication:in % form |
| 100 m | 10 ns | Mediam | VVIGC | In case of battery supply:10 minute power down |
| 250 m | 10 ns | 25 ns | | , ,,, |
| 500 m | 25 ns | 50 ns | 100 ns | Ambient temperature range |
| 1000 m | 100 ns | 250 ns | 500 ns | Operating10 to +50°C |
| 2500 m | 250 ns | 500 ns | 1000 ns | Storage and transport20 to +70°C |
| 5000 m | 1000 ns | 1000 ns | 5000 ns | D |
| 10000 m | 1000 ns | 2500 ns | 5000 ns | Dimensions and weight Dimensions |
| 20000 m | 1000 ns | 2500 ns | 5000 ns | Weight |
| Amplitude into | nominal load | | | Wolgitt |
| Amplitude into | | | · · · · · · · · · · · · · · · · · | Calibration |
| Width=25 to 5 Width=10 ns. | | | | Calibration period:24 months |
| vviditi=10115. | | | appr.z v | Self-calibration before test: provided |
| Line connection | on | | | |
| Connectors | | 3 pieces of | BNC sockets | |
| | | |), 75, 93 Ohm | Ordering information |
| Input protection | on | 250V | AC, 400V DC | CABLE FAULT LOCATOR |
| Interface for P | C or printer | | | ETDR 10C |
| Serial | | | RS232C | Including: |
| | | | | Operating Manual |
| Display Display type | | 100 | OO Llovia CO | Mains adapter |
| | | | uto switch off | 3 coaxial measuring cables |
| Dacklight | LL | D WILL SITILL & | idio Switch on | Serial RS 232 cable |
| Memory locati | | | | Carrying case Shoulder bag |
| For waveforms | - | | | Options: |
| For setups | | | | PRINTER EPR 42S 318-000-000 |
| For user store | a Pyr values | | 10 | DC aeftware for data transfer |

ELEKTRONIKA reserves the right to change specifications without prior notice!

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For typical PVF values10

PC software for data-transfer.....SW407-000-000