



Features

- ✓ Pulse Reflection Method
- ✓ Multiple Impulse Method
- ✓ Impulse Current Method
- ✓ Decay Method
- ✓ Interactive menu-guidance
- ✓ Touch screen and color LCD
- ✓ Measuring range up to 0 - 200 km
- ✓ Host and slave USB port for communication and memory.
- ✓ Memory no less than 100 records

TFL 8/ TFL 9 / TDR 4000

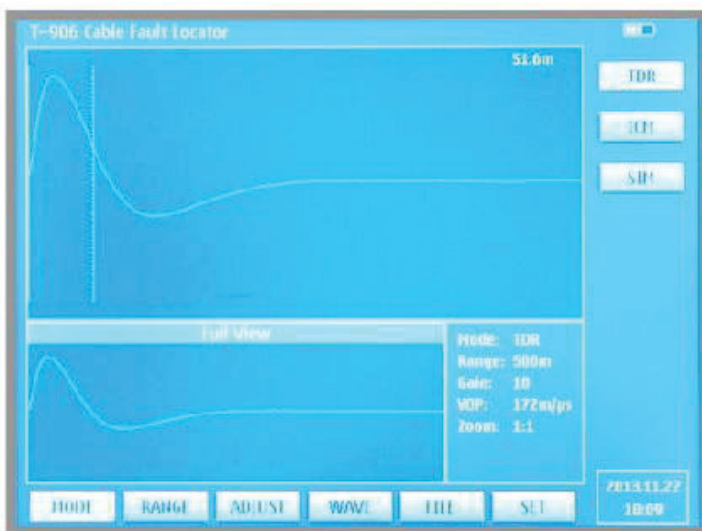
Cable Fault Pre - Locator

Power Cable Fault Locator is a portable, easy to use cable fault pre-location instrument. It uses the time domain reflection (TDR), multiple impulse method (MIM) and Impulse current method (ICM) on low, medium and high voltage cables. Its measuring ranges enable pre-location on cable lengths from 0 to 200km.

TFL 9 is operated via function keys and touch screen, it is fully menu guided. This instrument is supplied with rechargeable lithium cell batteries.

Applications

It is used for pre-location of short circuit, open circuit fault distance in TDR mode and low insulation / high resistance / flashing / intermittent fault in ICM / MIM mode with the help of suitable surge tester in power transmission and distribution network cables.



Technical Details

Prelocator Series

| Specifications | TFL 8 | TFL 9 | TDR4000 | |
|---------------------------------|-----------------------------------|----------------------------|---------------------------------|--|
| Maximum measuring range (KM) | 100 | 200 | 160 | |
| Prelocation Modes | TDR, ICM | TDR, ICM, SIM / MIM, Decay | TDR, ICM, SIM / MIM, Decay | |
| Resolution | 0.1 m | 0.4m | 0.4m | |
| Sampling Rate | 400MHz | 400MHz | 400MHz | |
| Pulse Width | 20ns - 10µs | 20ns- 10µs | 20ns- 10µs | |
| Pulse Amplitude | 65V | 65V | 65V | |
| VOP (V) m / µs | 100 - 300 | 90 - 300 | 20 - 300 | |
| Output Impedance | 0-70 Ohms | 5 - 87 Ohms | 5 - 100 Ohms | |
| Input signal gain in dB | 0 - 70 | 0 - 80 | 0 - 100 | |
| Display | Colour LED - 8 inch - Touch | TFT - 8 inch - Touch | Colour Tablet - 10 inch - Touch | |
| No of records storage memory | > 100 | | > 1000 | |
| Communication interface | USB | | | |
| Control | Touch as well as rotary encoder | | Touch | |
| Internal battery | Li-ion - 7.4V/6000 mAh | | | |
| Battery operation fully charged | 8 hrs | | | |
| Battery charger | 110 - 220V AC - 50Hz , 8.4V/2A DC | | | |
| Auto shut off feature | Available | | | |
| Temperature | -10°C ± 50°C | | | |
| Size in mm | 274 x 218 x 81 | 340 x 295 x 252 | 270 x 246 x 124 | |
| Weight in KG | 2.6 | 3 | 2.8 | |

Standard Accessories

- Low voltage Impulse (TDR) Testing Cable
- Impulse Current Method (ICM) Testing Cable
- Re-Chargeable battery charger / Adapter
- Software Pen Drive
- Carrying Case
- Instruction / User Manual