



This is an advanced metallic **Time Domain Reflectometer** capable of accurately locating and recognising faults in multi-pair telecommunication cable upto 5 kms. By transmitting an electrical pulse into the cable, irregularities of cable impedance and cable faults are detected. A soft touch keypad and 128 X 64 back-lit graphical display allows even inexperienced operators to locate a fault easily and rapidly. The online distance indication in meters at the bottom of the screen is obtained through calibrated cursors CUR1 and CUR2. The fast/slow movement of cursors and the zoom curve facilitates the user to identify unwanted impedance mismatches and align cursors at exact foot of the transmitted pulse, and also at reflectogram, even in typical conditions.

Hi-end Digital Filter levels are provided through software to smoothen the transmitted and reflected curves for better view and accuracy.

The unique combination of hardware and software filtering makes Faultmaster -011 virtually immune to the effects of induced or impressed voltages on the pair under test.

LOCATES: ● Short ● Open ● Crosses ● Grounds ● Splits ● Water ● Taps ● Load Coils ● Bridge

FEATURES

- Easy to use and interpret
- Simple and compact
- 8 ranges from 0 to 5 kms.
- Calibration to any cable dielectric
- Accurate
- Battery powered and light weight
- Back-lit easy to read graphic display
- Power saving concept: Unit switches off after 10 minutes, when no key is pressed

GRAPHICAL DISPLAY

128 x 64 back-lit pixel liquid crystal graphical display gives the user a better view and complete on line data. The range selected, positional parameters, propagation constant, fast/slow details are displayed on the left side of the screen, and the distance between the cursors CUR1 and CUR2 are displayed at the bottom of the screen.

SPECIFICATIONS

Fault Test & Pulse Width Ranges:

0-50 metres	.025 micro second
0-100 metres	.050 micro second
0-300 metres	0.1 micro second
0-500 metres	0.2 micro second
0-1000 metres	0.5 micro second
0-3000 metres	0.5 micro second
0-5000 metres	1.0 micro second

Fault Measurement:

Accuracy	: $\pm 0.5\%$ of measuring range
Resolution	: 1% of measuring range
Cable Propagation Constant	: Number key pad provided to select the cable constant from 00.0 to 99.9%
Amplification	: Adjusted automatically to the measuring range
Measuring Rate	: 1 to 10 seconds as per measuring range
Sensitivity	: Reflected signal of 1mv P-P.
Pulse Voltage	: 30 Volts (P-P)
Operating Temp.	: -10°C to +55°C
Display	: 128 X 64 back-lit pixel liquid crystal graphical display
Power	: Inbuilt 12 V 7Ah Ni-Cd rechargeable Battery
Electro Magnetic Compatibility (EMC)	: CISPR-11, IEC-1000-4-2, IEC-1000-4-4, IEC-1000-4-5, IEC-801-3
Timer	: Built-in, switches off automatically after 10 minutes to save power
Enclosure	: Textured alluminium
Dimension	: 250 (L) X 230 (W) X 90 (H) in mm. 9.8"(L)X9.1"(W)X3.6"(H)
Weight	: 4 Kgs./ 8.8 lbs.