Length & Reflections

Measuring principle: Time Domain Reflectometer
Output impedance: 100 Ohm RJ45 output, 50Ohm BNC output

Twisted Pair cable

Distance Range	Resolution	Accuracy
0.0–99.9 m 100–300 m	0.1 m	±(3 % + 5 dig) ±(5 % + 1 dig)
Amplitude Range		
-99 % ÷ +199 %	1 %	±(5 % + 5 dig)

Coax cable

Distance Range	Resolution	Accuracy
0.0–99.9 m 100–300 m	0.1 m	±(3 % + 5 dig) ±(5 %)
Amplitude Range		
−99 % ÷ +199 %	1 %	±(5 % + 5 dig)

Calibration

Calibration on cable length (for improving accuracy of the length measurement)	adjustable 2 m–200 m
Propagation velocity rate (NVP)	adjustable 0.50–0.99

Up to three highest reflections (faults) are reported.

Fast Test

RJ45 output only
Measurement of cable length Detection of: - broken wire on connector or cable, distance to fault - short between wires, short to shield, distance to fault - split, crossed, reversed, transposed pairs - cable termination

Complete Test (with Remote unit)

RJ45 output only	
Length of individual pairs: refer to Length specification Detection of: - broken wire on connector or cable, distance to fault - short between wires, short to shield, distance to fault - split, crossed, reversed, transposed pairs	
Cable identification	#1 - #15

Tracer

Tone generator frequency	0.80 kHz..1.20 kHz
Tone generator amplitude	RJ45 output: 7 V BNC: 5 V

Locators

Locators	#1–#28