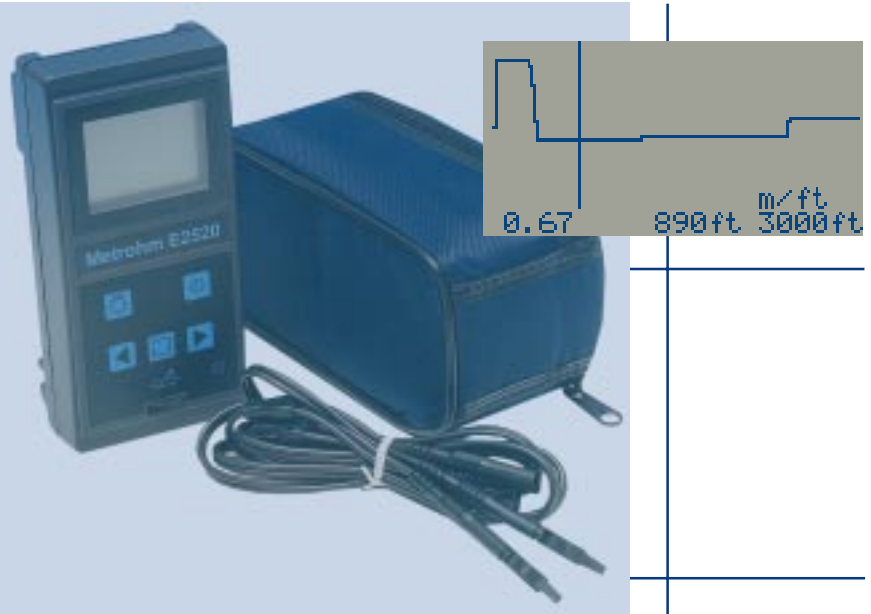


E25 Series

Hand held cable fault locators

The E25 Series instruments are hand held, battery powered solid state time domain reflectometers which can accurately locate faults on cables. They can be used on most types of cables from telecommunications cables, power distribution & armoured cables.



Product Features

User friendly intuitive interface

Instant response keys

Lightweight - only 0.6kg

Auto power down feature

Clear LCD graphic display with backlighting facility

Balance control to enable fault location down to 0m

E2520 - 3km range with up to 1m resolution

E2521, E2522 - 300m range with up to 0.01m resolution

Fully variable VF, 0.01 to 0.99

Product Specification

MODEL RANGE: MODEL DESCRIPTION

E2520	Hand held, 3km range TDR with 120 Ω impedance, suitable for use on twisted pair cable. Supplied complete with carrying case, leads, batteries and an instruction manual.
E2521	Hand held, 300m range TDR with 50 Ω impedance, suitable for use on coax cable and LAN networks. Supplied complete with carrying case, leads, batteries and an instruction manual.
E2522	Hand held, 300m range TDR with 40 Ω impedance. Supplied complete with carrying case, leads, batteries, instruction manual and A.C. blocking filter. Designed for use on power armoured cable.

ELECTRICAL

E2520:	100m, 300m, 1000m, 3000m and Auto range, Nominal
E2521 & E2522	10m, 30m, 100m, 300m and Auto range, Nominal
Accuracy:	$\pm 1\%$ of range for E2520 $\pm 2\%$ of range for E2521, E2522
Resolution:	1% of range
Gain:	Set for range selected
Velocity Factor:	Variable from 0.01 to 0.99 in steps of 0.01
Output Pulse	
Amplitude:	5 volts peak to peak into open circuit
Impedance:	E2520: 120 Ω E2521: 50 Ω E2522: 40 Ω
Pulse Width:	Automatically varied by software for range selected
Update Rate:	Once per second for 5 minutes after last key depression
Power Down:	Automatic after 5 minutes with no key depression

Batteries:	Six, AA-size, manganese-alkali or nickel-cadmium cells
Nominal Battery Voltage:	9 volts with manganese-alkali 7.2 volts with nickel-cadmium
Battery Low:	6.5 volts nominal
Battery Consumption without backlight:	E2520: 80mA nominal E2521: 80mA nominal E2522: 80mA nominal
Battery Consumption with backlight:	E2520: 120mA nominal E2521: 120mA nominal E2522: 120mA nominal
Safety:	Complies in general with IEC 1010 Withstands 250V AC/DC and ringing tone

MECHANICAL

Case Dimensions:	190mm long 90mm wide 54mm deep
Case Material:	ABS and Polycarbonate
Connectors:	Two 4mm safety terminals
Bump:	To IEC 68-2-29
Free Fall:	To IEC 68-2-32
Vibration:	To IEC 68-2-6
Impact:	To IEC 1010 clause 8.2
Weight (less carry case):	0.6kg (with batteries)
Lead:	2 metres (E2520 & E2521 only)
Display:	128 X 64 Graphic LCD

ENVIRONMENTAL

Operational Temperature Range:	-15°C to +50°C
Storage Temperature Range:	-20°C to +70°C
Cold Temperature:	To IEC 68-2-1
Dry Heat:	To IEC 68-2-2
Damp Heat:	To IEC 68-2-3



Edgcumbe Instruments Limited policy is one of continuous development and hence we reserve the right to change specifications/design without prior notice.

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