

TX8000

The TX8000 is a 6 Km range Time Domain Reflectometer housed in a rugged over moulded case being water proof to IP67 and drop resistant, designed for outdoor use, but sufficiently small and light weight for general use and may be operated using one hand. Using a 3.5-inch QVGA colour display information is clearly displayed; an illuminated keypad makes the TX8000 ideal for use in poorly lit areas.

Using 11 range scales with a first range of 7 meters near end faults are clearly visible. Using the scan hold function faults may be retained on screen for closer examination or when in scan mode intermittent faults may be easily identified. By using the trace hold and compare feature the current trace may be displayed and compared with a new trace. The user variable gain function allows small events on the wave form to be magnified for clearer identification. With dual cursors each cursor giving its length measurement and a differential distance between cursors the length of the fault may be identified. To assist in the identification of faults a number of fault types may be super imposed over the displayed fault for easier identification.

2.1 TX8000 features



- 6 Km (19000 feet)
- 0.5 meter dead zone
- Trace hold and compare
- 328 x 256 QVGA display
- User variable gain control
- Tone generator for cable tracing
- Selectable language
- Environmental control to IP67
- Neck/shoulder strap
- C.E. approved
- 3 years manufacturers warranty

Specifications

Ranges	meters	7, 15, 30, 60, 120, 250, 500, 1km, 2km, 3km, 6km
	Feet	23, 49, 98, 197, 394, 820, 1640, 3280, 6560, 9850, 19000
Range Selection		Manual range control
Cursors		Dual cursors with a distance measurement between cursors
Accuracy		1% of selected range*
Resolution		Approx. 1% of range
Sensitivity		Min 3 pixel return at 4km on 0,6mm Δ , PE , TP
Velocity Factor		Adjustable from 10% to 99% or equivalent in Ft/ meters per micro second
Output Pulse		5 volts peak to peak. Into open circuit
Output Impedance		25, 50, 75, 100 & 120 ohms
Output pulse		3 ns to 3 us, Automatic with range
Scan Rate		2 scans / second or scan held
Tone Generator		810 – 1100Hz
Battery Life		7 hours typical use
Power Supply		6 volts, 4 x 1.5 AA Alkaline cells or NMH rechargeable cells
Power Down		1, 2, 3, 5, 10 and 15 minutes or disabled
Display		328mm x256mm QVGA
Voltage protection		250 volts AC
Operating Temp		-10° / 50°C
Storage Temp		-20° / 70°C
Dimensions		220 x 98 x 58 mm / 8.7x3.8x2.3 inches
Weight		0.5 Kg / 1pouind 2 ounces
Safety		IEC 61010-1 EN 60950
EMC		BS/EN 61326-1
Protection Class		IP67

* Measurement accuracy of +/-1% assumes the instrument setting for VoP of the cable under test to be accurately set, homogeneity of the VoP along the cable length, and accurate cursor positioning.

Scope of delivery

- TX8000
- 0.5 Metre attachment lead
- Shoulder/neck strap
- Screwdriver for battery screws
- 4 x AA batteries
- Protective carry case
- Instruction manual

