

180XL Visual Fault Locator

LOCATING BREAKS AND BENDING LOSSES

The 180XL visual fault finder is an indispensable tool for quickly identifying bending losses and breaks in optical fibers. If a fiber is bent too tightly, red laser light will be seen escaping through the jacket. Likewise, if a fiber is broken, escaping light will be visible where the break is located.

IDENTIFYING BAD CERAMIC CONNECTORS

Ceramic connectors are easily tested using the 180XL visual fault finder. A fiber broken inside, or past, the ferrule will cause it to glow, as shown below at left. If the whole connector glows, it is definitely defective. If the end face polish of the connector is bad, light will be reflected internally, as shown below right. This will also make the ferrule glow when the 180XL is used.



Fiber broken in ferrule

Poor end face polish



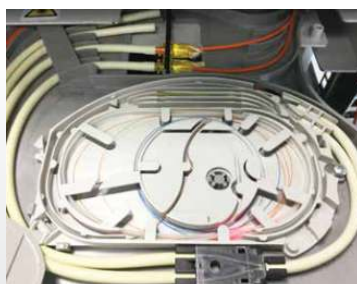
Specifications :	
Wavelength	650nm +/-10nm
Emitter Type	Fabry Perot
Output Power	0dBm (1mW)
Spectral Width (CPR)	<2nm
Laser Classification	2
Range	7km
Modes of Operation	CW and 2Hz Modulation
Method of Display Operation	Red/Green LED
Fiber Type	Singlemode, Multimode
Connector Interface	2.5mm Universal, Optional 1.25mm adaptor
Battery	AA (2)
Battery Life	80 Hours with 3.9Wh batteries
Weight	70g (not including batteries)
Dimensions	180mm x 23mm Dia
Operating Temperature	-10 to +45C
Storage Temperature	-40 to +70C
Certifications	CE, WEEE, CDRH Reach RoHs

Ordering Information

PART No.	CAT. No.	DESCRIPTION
52068671	180XL	Visual Fault Locator Kit (2.5mm UCI)
52068673	180XL-1.25	1.25mm adaptor



2.5mm – 1.25mm adaptor



- Continuous wave output mode for steady fault illumination
- Blinking output mode increases viewing contrast
- Easy to use “Quick Connect” interface fits all 2.5mm fiber optic connectors
- Ergonomic switch permits easy one-handed operation
- Rugged, compact, and splash proof aluminium housing
- High output 1.0mW (0dBm) 650nm red laser
- Up to 7km range
- Two AA-size alkaline batteries provide 80 hours of continuous operation
- Nylon belt holster included