

Overview

ST820B optical fiber identifier is an essential instrument for the installation and maintenance of optical fibers. With 1310nm or 1550nm wave length ST820B indicates the direction of the transmitted signals. It can easily recognize SM fibers and find and locate a specific fiber without interference to the transmission.

ST820B has a rugged construction and several interchangeable adapter clamps for different fiber sizes are available: Ø0.25mm, Ø0.9mm, Ø2.0mm and Ø3.0mm.

Operation

ST820B has an easy-to-use one-key operation. It recognizes industry standard modulations such as 270Hz, 1kHz and 2kHz. Audio tone indicates when modulations are detected.

Besides traffic direction, relative power of the transmission is displayed on the display.

Test adapter and fiber under test can be covered with a rubber shade to improve test reliability when sun or other ambient light is present.



Rubber shade against ambient light



Technical specifications

Wavelength range	800-1700 nm
Detector type	2 pcs Ø1mm InGaAs
Recognized modulations	Continuous light, 270Hz, 1kHz, 2kHz
Power display range	-30 ~ +5dBm
Clamps	H 0.25/0.9 (bare fiber), H 2.0/3.0 (sheathed)
Insertion loss	H 0.25 ~ H 0,9: 0.1dB H 2.0 ~ H 2,5: 0.5dB H 2.5 ~ H 3.0: 1.0 dB
Traffic direction display	Left / right LED
Battery	2 pcs 1.5V AAA (LR03)
Operating temperature	-10°C...+50°C
Storage temperature	-20°C...+70°C
Weight	210g
Dimensions	200 x 30 x 27mm

ST820B basic setup

- ST820B identifier
- 0.25mm, 0.9mm, 2mm & 3mm clamps
- Light shield (rubber)
- 2 pcs AAA batteries
- User manual
- Protective bag