

FiberCute

— A powerful tool for field optical network maintenance

The ShinewayTech FiberCute series are very powerful tools for optical network field work, that integrate the functions of optical power meter, stabilized laser source, visible laser source, talk set, loss test, fiber length test in one set. They are portable, intelligent and multi-functional, that maximally reduce the burden of personnel for field communication and test.

The FiberCute series can be widely used in optical fiber networks for engineering construction, testing and maintenance. The functions of optical talk sets and optical power meter can help the engineers at any two given points to get the measurements of loss and attenuation data within the shortest time. With the functions of visible laser source and fiber length tester, they can inspect the short fiber inside optical cable and fiber connector. They are highly praised for its excellent quality, value and all-in-one feature.

The FiberCute series without any tedious learning process are designed to fully embody the user's convenience in mind. They are really cute tools for field communication and test.

FEATURES

- Six test functions in one set
- Support multi-task, for example
 - 1 Optical talk sets, optical power meter, visible laser source and fiber identifier
 - 2 Optical talk sets, length tester, visible laser source and fiber identifier
 - 3 Pulse modulation signal, optical power meter and visible laser source
- Graphic interface, large easy to read LCD display
- Digital voice coding and decoding to guarantee high-quality speech
- Together with Optical Clip-On Coupler, realizing online communications
- Compact size, lightweight, and damp, dust, shock proof
- Auto off function conserving battery life
- CE, FCC, FDA certificates



Technical Specifications

Model	FiberCute-13B	FiberCute-15B
Talk Set Module		
Wavelength (±20nm)	1310	1550
Dynamic Range (dB)	45	45
Transmission Distance (Km)	130	180
Emitter Type		FP-LD
Spectral Width (nm)		≤5
Stabilized Laser Source Module		
Wavelength(±20nm)	1310	1550
Output Power	≥-1 dBm	≥-1 dBm
Stability		±0.05 dB/15min;±0.15 dB/8hrs
Modulation Frequencies		270Hz, 21KHz, 2KHz
Emitter Type		FP-LD
Spectral Width (nm)		≤5
Connector Type		FC/PC(Interchangeable SC,ST)
Optical Fiber Length Test Module		
Wavelength (±20nm)	1310	1550
Max Distance Meas.	50Km	80Km
Min Distance Meas.		20m
Emitter Type		FD-LD
Connector Type		FC/PC(Interchangeable SC,ST)
Max number of eventsdetected		7
Accuracy		±2m@±20Km
Index of Refraction		1.4000-1.6999
Power Meter Module		
Detector Type		InGaAs
Connector Type		FC
Meas. Range (dBm) ⁽¹⁾		-70 ~ +10
Calibrated Wavelength (nm)		850,1300,1310,1490,1550,1625
Accuracy		±0.25 dB(5%)@ 25°C& -10dBm(±0.5 dB@850nm)
Visible Laser Source Module		
Emitter Type		FP-LD
Connector Type		FC/PC(Interchangeable SC,ST)
Wavelength(±20nm)		650
Output Power		≥ -5dBm
Modulation Frequencies		1Hz
General Specifications		
Data Storage		3000 records
Data Transmission		RS232
Power Supply		NIMH rechargeable battery(1600mAh) / AC adapter
Battery Life		16hrs standby or 9hrs operations
Operating Temp.		0°C ~ 50°C
Storage Temp.		-20°C ~ 70°C
Relative Humidity		0 ~ 95% (non-condensing)
Weight		1.8 lbs (0.85kg)
Dimension (H x W x T)		7.7x3.9x2.4 inch(196x100x64mm)

Note: (1) For 850nm, the lower limit of measurement range is -60 dBm; Specifications subject to change without notice.

Ordering Information

Standard Configuration:

Instrument(including rechargeable battery), AC adapter, Headset, FiberCute data analysis software disk, Data transfer cable(RS232), Rubber boot, Toolkit for softbag, Fiber Connector Cleaner, Connector Clean Stick, Warranty card, CE/FCC certificate, Certificate of Calibration, User's manual.

Optional Accessory:

Part Description	Part Number(P/N)	Part Description	Part Number(P/N)
3 m, optical patch cord	AC-FJC-03-FC/FC	50 m, optical patch cord	AC-FJC-50-FC/FC
SC connector for LS	AC-CONN-SC-L	Ceramics core for LS	AC-FRL-C
ST connector for LS	AC-CONN-ST-L	Toolkit for luxury package	AC-PB-40
SC connector for PM	AC-CONN-P-300	Compact carrying softbag	AC-PB-20
ST connector for PM	AC-CONN-P-300		