ShinewayTech®
Dependable Partner for Future Networks

FiberCute

——*A powerful tool for optical network maintenance*

Description

The ShinewayTech® FiberCute series are very powerful tools for optical network fieldwork, that integrate the functions of optical power meter, stabilized laser source, visible laser source, talk set, loss test, fiber fault and 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 of digital data, telecommunication and cable TV for engineering construction, checking & testing, maintenance as well as optical fiber attenuation measurement. 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 fault and 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*
  - ✓ *Optical talk sets, optical power meter, visible laser source and fiber identifier*
  - ✓ *Optical talk sets, fault and length tester, visible laser source and fiber identifier*
  - ✓ *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*

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- *Compact size, lightweight, and damp, dust, shock proof*
- *NiMH chargeable battery or AC adapter, auto recharging*
- *Auto off function conserving battery life*

Technical Specifications

Optical Specifications	FiberCute-13 A	FiberCute-13 B	FiberCute-15 A	FiberCute-15 B
Talk Set Module				
Wavelength (±20nm)	1310		1550	
Dynamic Range (dB)	40	45	40	45
Transmission Distance (Km)	110	130	160	180
Emitter Type	LD			
Spectral Width (nm)	≤ 5			
Stabilized Laser Source Module				
Wavelength(±20nm)	1310		1550	
Output Power*	≥ 5 dBm	≥ 1 dBm	≥ 5 dBm	≥ -1 dBm
Stability	±0.05 dB/15min；±0.15 dB/8hrs			
Modulation Frequencies	270Hz、1KHz、2 KHz			
Emitter Type	LD			
Spectral Width (nm)	≤ 5			
Connector Type	FC/PC(Interchangeable SC,ST)			
Fault and Length Test Module				
Wavelength (±20nm)	1310		1550	
Maximum Distance Measured	50Km		80Km	
Minimum Distance Measured	20m			
Emitter Type	LD			
Connector Type	FC/PC(Interchangeable SC,ST)			
Max number of events detected	7			
Accuracy	±2m			
Index of Refraction	1.4000~1.6999			
Power Meter Module				
Detector Type	InGaAs			

Connector Type	FC/PC(Interchangeable SC,ST)
Display Range (dBm)	-70 ~ +10
Calibrated Wavelength (nm)	850,980,1310,1550
Accuracy	±0.25 dB（5%）@ 25℃ & -10dBm
Memory Capacity	3200 measurements
Visible Laser Source Module	
Emitter Type	LD
Optical Connector	FC/PC(Interchangeable SC,ST)
Wavelength(±20nm)	650
Output Power	≥5dBm
Modulation Frequencies	1Hz
General Specifications	
Power Supply	NiMH chargeable battery/AC adapter, auto recharging
Battery Capacity	16hrs standby or 9hrs operations
Data Transmission	RS232
Operating Temperature	-10℃ ~ 50℃
Storage Temperature	-20℃ ~ 70℃
Relative Humidity	0 to 95％ (non-condensing)
Weight	1.8 lbs (0.85kg)
Size (H x W x T)	7.7×3.9×2.4 inch (196×100×64mm)

*** Output power of Stabilized Laser Source Module can be adjusted manually with 0.1dBm each pace within ±1dBm range.**

Ordering Information

Instrument(including rechargeable batttery), headset, AC adapter, Protective cover, Carring case, Warranty card, 2m optical jumper cable, CE certificate, Certificate of Calibration, User's manual