Fiber Optic Tester - Litech Optical Time Domain Reflectometer OTDR-704S





Litech Optical time domain reflectometer 704S is a new generation of portable and intelligent measuring instrument designed for testing optical fiber mainly in FTTH environment. The Intelligent yet low cost OTDR able to test fiber breakpoint , length, loss and input light automatic detection, automatic test by touch of one single key.

Features

- Compact in size
- 3.5inch colourful LCD screen
- Shock-proof and drop-proof plastic shell design
- 8 in 1 functions with highly integrated OTDR, Event maps, Stable Light source, Optical power meter, Visual fault locator , cable sequence proofreading, cable length measurement and lighting functions.
- Universal 2.0mm connector interface
- 600 internal storage, TF card, USB data storage
- Built-in 4000mAh lithium battery and USB charging

Physical Specification

Parameter	Specification
Display	3.5 inch Color LCD
Data Interface	Micro USB
External Storage	TF Card
Power Supply	Polymer Li-battery：3.7V, 4000mAh
	Power Adapter：5VDC, 2A
Battery Life	Standby>20h；Measuring Time>12h
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing
Weight	≤350g
Dimension	173mm×82mm×37mm

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Test Specification

Parameter	Specification
Wavelength	1310nm/1550nm±20nm
Fiber Type	G.652 SM Fiber
Dynamic Range	24dB/22dB
Event Blind Zone	3m
ATT Blind Zone	8m
Test Range	500m~60km
Pulse Width	3ns~10us
Ranging Accuracy	±(1m+Sampling Interval +0.005% × Test Distance)
Loss Accuracy	±0.2dB/dB
Sampling Points	16k~128k
Sampling Resolution	0.05m~8m
Reflection Accuracy	±3dB
Data Storage	Internal : ≥600 ; External : TF Card
Laser Safety Level	Class II level
File Format	SOR Standard File Format
Connector	FC/UPC (Interchangeable SC, ST)
Visual Fault Locator Module	
Work Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
Power Meter Module	
Wave Range	800nm~1700nm
Interface Type	Universal Joint FC/SC/ST
Test Range	-50dBm~+26dBm
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
Laser Source Module	
LD Type	FP-LD
Output Wavelength	1310nm/1550nm±20nm
Output Power	≥-5dBm
Modulation Frequency	270/330/1k/2kHz
Stability	CW, ±0.5dB/15min (Test after15mins of preheating)
Connector	FC/UPC (Interchangeable SC, ST)

Ordering Information

Part Number	Testing Wavelength	Dynamic Range (dB)
OTDR-704S	1310/1550	24/22

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