



Av6413 High Performance Mini-OTDR



Description

The AV6413 is a high performance mini-OTDR, which is small, lightweight and rugged. It has a large color LCD and a USB interface. It also features a long battery operation life. With the AV6413, you can measure unit /connection/transmission loss and locate faults or breaks on optical fibers.

It is widely applied in the manufacture, construction and maintenance of optical fibers.

Features

- 42/40dB high dynamic range.
- 0.1m sample resolution with 65k sampling points.
- 1.6m short event dead zone.
- High quality touch screen.
- Rugged.
- Offer Chinese and English interface.
- Deep memory for data storage.
- Write/read file in Bellcore GR196 file format.
- Intelligent battery capacity display.
- Battery operation life over 8 hours.
- USB interface.
- Transmit data to PC by serial or parallel interfaces.



**Main Specifications**

Module	3542	3537	3532	5636	8332
Pulse Width	10ns to 20480ns				
Central Wavelength	1310/1550 ±20nm	1310/1550 ±20nm	1310/1550 ±20nm	1550/1625 ±20nm	850/1300 ±30nm
Applicable Fiber	Signal-mode	Signal-mode	Signal-mode	Signal-mode	Multi-mode
Dynamic Range (SNR=1)	42/40dB	37/35dB	32/30dB	36/36dB	28/32dB
Event Dead Zone *1	≤1.6m	≤1.6m	≤2.5m	≤1.6m	≤3m
Distance Range	1.6km ~ 512km				
Sampling Resolution	0.1m ~ 32m				
Sampling points	65K				
Distance Measurement Accuracy	±(1m+measurement distance×0.002%) *2				
Display	640x480, 7.7"color LCD (touch screen)				
Interface	USB, RS232, Printer, Keyboard				
Optical Connector	FC/UPC (universal connector, option)				
Power Supply	DC:17V ~ 22V:(3A),(AC adapter 100 ~ 240V, 50/60Hz,1.5A) built-in Lithium battery:8 hours *3				
Dimensions	258x198x90(mm)				
Weight	2.7kg				

*1: Pulse width: 10 ns, terminal reflection loss: ≥40dB, typical.

*2: excluding uncertainty caused by fiber IOR (Index of Refraction) and Sampling/Marker/Distance resolution.

*3: At back light low brightness, measurement not executed.