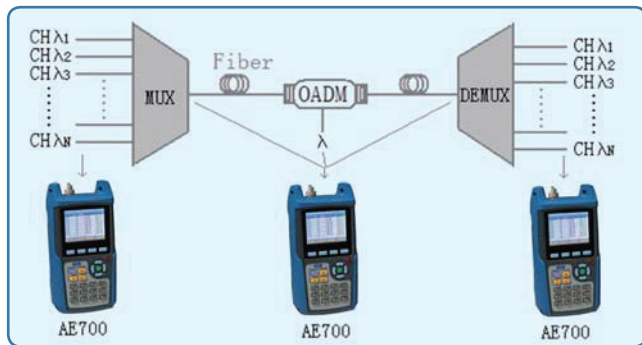


AE700 DWDM Channel Analyzer

Key Benefits

- Handheld DWDM Channel Analyzer for C or L band
- Over 5 hours' continuous operation with 7.4V/2.4AH Lithium battery; FC & SC/PC Interchangeable connector
- Conduct relative power measurements and other key functions
- Store up to 400 groups of data; edit with TOOLBOX management software



The AE700 is a DWDM Channel Analyzer for the installation and maintenance of DWDM systems. This capable handheld unit measures wavelengths in the C-band (1527 ~ 1567 nm) or L-band (1570 ~ 1610 nm), with additional support for optical signal to ratio (OSNR) - essential for verifying signal quality. Measurements can be displayed in graphical and list formats.

Specifications

Spectral Scanning	
Wavelength Range	1527 ~ 1567 nm (AE7000A); 1570 ~ 1610 nm (AE7000B)
Wavelength Resolution	<0.3 nm
Wavelength Uncertainty	±0.08 nm
Wavelength Repeatability	±0.01 nm
Power Measurement	
Dynamic Range	-10 ~ -40 dBm per channel
Absolute Power Uncertainty	±0.5 dB (CW); ±0.7 dB (10Gbps); ±1 dB (40/100Gbps)
Power Repeatability	±0.2 dB (CW and <10Gbps); ±0.5 dB (40/100Gbps)
OSNR Range	>35 dB
General Specifications	
Measurement Time	<1.5 s
Data Storage (data groups)	400
Display	3.5-in. 16M color LCD
Communication Interface	USB
Optical Adapter	FC & SC/PC (default); SC/ST/LC-PC/APC
AC adapter	100-240V input; 15V output
Work Time	>5.5 hours
Temperature	-5 ~ 60°C (working); -20 ~ 70°C (storage)
Dimensions (H×W×D)	222mm × 108mm × 57mm (8.7" × 4.3" × 2.2")