

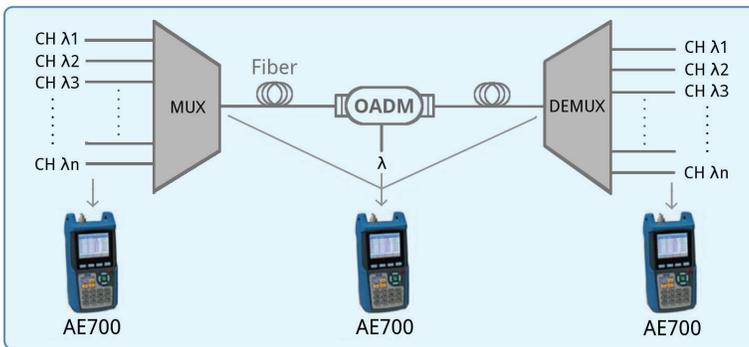
# AE700 DWDM Channel Analyzer

## Key Benefits

- Handheld DWDM Channel Analyzer for C or L band
- Over 5 hours' continuous operation with 7.4V / 2.4Ah Li-ion battery
- With interchangeable connectors, switch easily among FC / SC / PC
- Conduct relative power measurements and other key functions
- Store up to 400 data groups; manage them with Toolbox PC software

## Overview

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 ~ 1567nm (AE700A); 1570 ~ 1610nm (AE700B)		
Resolution	< 0.3		
Uncertainty	± 0.08nm		
Repeatability	± 0.01nm		
Power Measurement			
Dynamic Range	-10 ~ -40dB per channel (max input power 3dBm)		
Absolute Uncertainty	± 0.5dB (CW)	± 0.7dB (<10 Gbps)	± 1.0dB (40/100 Gbps)
Repeatability	± 0.2dB (CW)	± 0.2dB (<10 Gbps)	± 0.5dB (40/100 Gbps)
OSNR Range	> 35dB		
General			
Measurement Time	< 1.5s	Power Supply	100 ~ 240V input; 15V output
Data Storage	400 groups	Operation Temperature	-5 ~ +60°C
Display	3.5" 16M color LCD	Storage Temperature	-20 ~ +70°C
Interface	USB	Dimensions	8.7" x 4.3" x 2.2" (222mm x 108mm x 57mm)
Optical Adapter	UPC, FC (default); APC, SC, LC (optional)	Weight	1.7 lbs (790g) (w/o battery)

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