

# AE8560D-01 Optical Spectrum Analyzer

## Key Benefits

- Spectral range: 600nm-1700nm, suitable for single-mode fiber input.
- Wavelength resolution: 0.04nm.
- Power measurement range: -75 to +23dBm.
- 60dB dynamic range, able to effectively identify adjacent spectral signals.
- Small size, rechargeable, 5-hour long standby time, convenient for in-field application.
- Includes a calibrated light source to prevent the impact of in-field environmental changes, vibration, shock, etc.
- 10.1 Inch super large touch screen LCD for excellent customer experience.

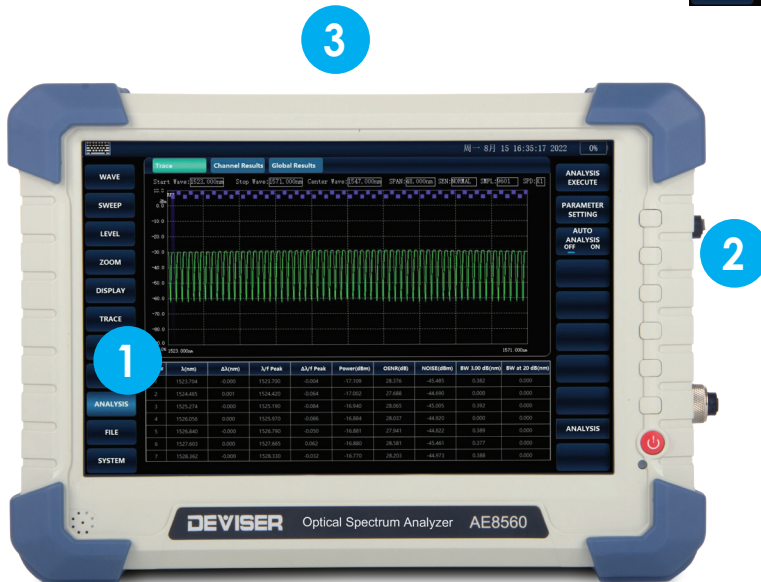


## Overview

AE8560D-01 is a handheld optical spectrum analyzer designed by Deviser Instruments. It's small in size, light in weight, easy to operate with touch screen, and outstanding in anti-interference, well satisfy field testing in outdoors or in other harsh environments.

AE8560D-01 has wide range of professional applications in semiconductor laser (DFB) spectral characteristic measurement, WDM system testing. AE8560's superior stability and reliability, extremely fast spectral scanning speed, and open data output can help you perfectly satisfy various challenges from optical spectral testing.

## Graphical Interface



## Display and Interface

### 1. High Resolution LCD Display

The 10.1-inch large-size LCD screen can clearly display detailed waveform and numerical measurement values.

### 2. Optical Interface

AE8560D-01 adopts universal optical connectors for optical input, which can be directly coupled to the main optical interface. The optical connector is FC or SC connector.

### 3. Other Interface

USB 3.0 × 2, LAN

## Specifications

Item	Specification
Applicable fiber	SM (9.5/125 $\mu$ m)
Wavelength range	600nm to 1700nm
Wavelength resolution setting	0.04nm @ 1550nm
Wavelength accuracy	1520 to 1610nm $\pm$ 0.04nm (Calibration within 10nm range can achieve $\pm$ 0.01nm) Full range $\pm$ 0.1nm
Wavelength repeatability	$\pm$ 0.005nm (1 min.)
Wavelength linearity	$\pm$ 0.01nm (1520 to 1610nm)
Input power range	-75dBm to +23dBm (1520 to 1610nm)
Level accuracy	$\pm$ 0.5dB (1550nm, input level: -10dBm)
Light suppression ratio	$\pm$ 25GHz( $\pm$ 0.2nm) 35dB $\pm$ 50GHz( $\pm$ 0.4nm) 50dB $\pm$ 100GHz( $\pm$ 0.8nm) 60dB
I-OSNR Dynamic range	$\geq$ 35dB (input 1550nm, -10dBm)
OSNR Uncertainty(dB)	$\pm$ 0.5
Channel spacing	25 to 200GHz CWDM
ORL (dB)	$\geq$ 35dB
Measurement time	$\leq$ 0.5s (span 30nm)
Specification	
APP	WDM- DFB
Display	10.1 inch TFT LCD touchscreen (Resolution: 1280 $\times$ 800)
Interface	USB 3.0 $\times$ 2, LAN
Dimensions	94.2 x 211 x 292 (mm)
Weight	3.5kg
Temperature	Operating temperature: -10 $^{\circ}$ C to +50 $^{\circ}$ C Storage temperature: -20 $^{\circ}$ C to +60 $^{\circ}$ C

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