

# Portable Optical Spectrum Analyzer

### Key Features

- Wavelength Range: 600 to 1700 nm
- Wavelength resolution settings: 0.04nm
- Wide measurable level range: -75 dBm to +23 dBm
- Close-in dynamic range: 60 dB



### Overview

AE8560 is a portable optical spectrum analyzer designed by Deviser photoelectric. It is small in size, light in weight, easy to operate with a touch screen, and outstanding in anti-interference, well satisfying field testing in outdoor or other harsh environments.

### 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

AE8560 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 x 2, LAN

## Specifications

Items	Specification
Applicable fiber	SM (9.5/125 μm)
Wavelength range	600 nm to 1700 nm
Wavelength resolution setting	0.04 nm @ 1550 nm
Wavelength accuracy	1520 to 1610 nm ±0.04 nm (Calibration within 10nm range can achieve ±0.01nm wavelength accuracy) Full range ±0.1 nm
Wavelength repeatability	±0.005 nm (1min.)
Wavelength linearity	±0.01nm (1520 to 1610 nm)
Input power range	-75 dBm to +23dBm (1520nm to 1610 nm)
Level accuracy	±0.5 dB (1550 nm, input level: -10 dBm)
Light suppression ratio	±25 GHz 35 dB ±50 GHz 50 dB ±100 GHz 60 dB
I-OSNR Dynamic range	≥ 35 dB (input 1550 nm, -10 dBm)
OSNR Uncertainty(dB)	± 0.5
Channel spacing	25 to 200 GHz CWDM
ORL (dB)	≥ 35 dB
Measurement time	≤0.5s (span 30nm)
<b>General Specifications</b>	
Display	10.1 inch TFT LCD touchscreen (Resolution: 1280×800)
Interface	USB 3.0 × 2, LAN
Dimensions	94.2 x 211 x 292 (mm)
Operating temperature	0 °C to 50 °C
Weight	3.5kg
Temperature	Operating temperature: -10 °C to +50 °C Storage temperature: -20 °C to +60 °C