

# AE100 Series Optical Power Meter

## Key Benefits

- Installation and maintenance of optical networks, including CATV & FTTx
- Rugged, pocket-size design is built to endure field operations
- Up to 180 hours' working time with included batteries
- Auto shutdown and auto calibration
- LCD backlight for low-light test environments

## Overview

The AE100 Series of optical power meters is perfect for installation and verification of fiber-optic networks. These user-friendly testers support up to 9 wavelengths, enabling users to easily run optical loss tests and other basic scans required for routine maintenance. The AE100 Series is built for power efficiency and field portability, and can test continuously for up to 180 hours.

With multiple available models, it's easy to find the right configuration for your testing needs.



## Specifications

| Model                 | AE90   | AE100                             | AE100A | AE100B                               | AE120          | AE160              |
|-----------------------|--|-----------------------------------|--------|--------------------------------------|----------------|--------------------|
| Detector              | InGaAs Φ300μm  |                                   |        |                                      | InGaAs Φ2000μm | InGaAs Φ300μm      |
| Accuracy              | ± 0.23dB (± 5%)  |                                   |        | ± 0.17dB (± 3%)                      |                |                    |
| Input Range           | -50 ~ +26dBm   |                                   |        |                                      |                | -70 ~ +10dBm       |
| Resolution            | 0.01dBm, mW, μW, nW  |                                   |        |                                      |                |                    |
| Calibrated Wavelength | 850 / 980 / 1300 / 1310 / 1490 / 1550 / 1610 / 1625 / 1650nm |                                   |        |                                      |                |                    |
| Auto Detection        | Frequency  | 270 Hz, 1kHz, 2kHz                |        |                                      |                |                    |
|                       | Wavelength   | 850 / 1310 / 1490 / 1550 / 1610nm |        |                                      |                |                    |
| Connectors            | FC/SC (default);<br>ST/LC (optional)                         | FC/SC/ST universal                |        | FC/SC (default);<br>ST/LC (optional) |                | FC/SC/ST universal |
| Environment           | -10 ~ +60°C, humidity < 80%                                  |                                   |        |                                      |                |                    |
| Battery Life          | >180 hrs (with included battery; backlight off)              |                                   |        |                                      |                |                    |
| Dimensions            | 4.7" x 2.6" x 1.1" (<119mm x 70mm x 29mm)                    |                                   |        |                                      |                |                    |
| Weight                | 7oz (200g) (w/o battery)                                     |                                   |        |                                      |                |                    |

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