

# AE290/AE280/AE130 Series Optical Power Meter

## Key Benefits

- Compact, rugged, light weight, easy to carry.
- Long working hours for more than 100 hours.
- High-power VFL and automatic wavelength/frequency detection.
- Automatic shutdown and self-calibration functions.
- LCD backlight for readability at dark.



## Overview

AE290/AE280/AE130 series optical power meters are suitable for installation, troubleshooting and maintenance of optical fiber network, and also useful for scientific research and education of fiber optics communication. The meters adopt high-precision photodetector for accurate measurement. AE290/AE280/AE130 are compact, light weighted, rugged, and portable with low power consumption. A high-power visual fault locator (AE280/AE290 only) is included and PC toolbox software is available to make the measurement easier and faster.

## Specification

Models	AE130A	AE90	AE130D	AE310E	AE310F	AE290A	AE290B	AE290C	AE290D
	AE130B	AE130C				AE280A	AE280B	AE280C	AE280D
Measurement Accuracy	±0.23dB (±3%)		±0.17dB (±3%)						
Probe Type	InGaAs 20dB attenuation		InGaAs- φ2000um 20dB attenu- uation	InGaAs 0dB attenu- ation	InGaAs φ2000um 0dB attenu- ation	InGaAs- φ300um 20dB attenu- uation	InGaAs- φ2000um 20dB attenu- uation	InGaAs- φ300um 0dB attenu- ation	InGaAs φ2000um 0dB attenu- ation
Dynamic Range	-50dBm to +26dBm			-70dBm to +10dBm		-50dBm to +26dBm		-70dBm to +10dBm	
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1610, 1625, 1650nm								
Resolution	0.01 dBm, mW, uW, nW								
Wavelength / Frequency Detection	Frequency: 270Hz, 1kHz, 2kHz Wavelength: 850, 1310, 1490, 1550, 1610nm								
Automatic Insertion Loss Accuracy	< ± 1dB								
Connector	FC/SC replaceable, ST/LC optional								
VFL	10mW								
Operating Temperature	-10°C to +60°C								
Operating Hours	>100 hours (backlight and VFL off)								
Dimensions	<119mm × 70mm × 29mm					<185mm × 85mm × 45mm			
Weight	<200g					<300g (without battery)			