

## Optical Power Meter

## ATM5000

### Description:

ATM5000 employs high sensitivity, high response and high stability sensor, it's designed to detect visible to NIR range. ATM5000 has effective sensing area of 10.0mm\*10.0mm, extreme low dark current, excellent dynamic range. ATM5000 also attaches to external attenuated sheet in order to extend detect range, the compact size fit to any places

Model	Features
ATM5000BS	Fixed measure range, optional: 0-500mW, 1μW-10mW, 1nW-10μW, 1pW-10nW optional, accept customization
ATM5000PS	5-grade auto switch, spectral range:-70dBm~+27dBm

### Features:

- USB 2.0
- High response speed and high-sensitivity
- Inner auto switch grade, self-adaption range
- Wavelength response range: 350nm-1100nm
- Max measure range: -70dBm~+27dBm
- External attenuator
- PC can auto-save data

### Application

- Optical power measure
- Optical power stability measure



## Parameters

Parameter	Condition	Min	Typical	Max	Unit
Light Receiving Area			3.6X3.6mm		mm
Spectral Response-Peak			940		nm
Spectral Application Range		350		1100	nm
Specific Detectivity	$\lambda=940\text{nm}$		$4.24 \times 10^{13}$		$\text{W}/\text{Hz}^{1/2}$
Noise Equivalent Power	$\lambda=940\text{nm}$		$2.36 \times 10^{-14}$		$\text{cm}/(\text{Hz}/\text{W})^{1/2}$
Power Range	ATM5000BS	-10		27	dBm
	ATM5000PS	-70		27	dBm
Accuracy			99%		
Non-linearity			1%		
Storage Temperature		-40		+60	°C
Operating Temperature		-25		+50	°C

