SHAPING LIGHT.

HELPING ENGINEERS AND SCIENTISTS IN ADVANCING HOW THE WORLD COMMUNICATES, SENSES AND CONNECTS

EIGENLIGHT INLINE OPTICAL POWER MONITOR

DATA SHEET

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PM PASSIVES

EIGENLIGHT IN-LINE OPTICAL POWER MONITOR

The' Eigenlight Series 500 is a low cost and compact instrument for measuring the power of a signal being transmitted through an optical fiber.

Unlike conventional power meters, this power monitor can be installed in live systems for real time, continuous power measurement, without compromising system performance. It features a digital readout of the instantaneous power of a transmitted signal.

The monitor is available in a single band variant for 1550nm range and a multi-band device for 1310/1480 and 1550nm.

The device includes a USB port for interfacing with power monitoring software (optional license).

KEY FEATURES

- Low Loss in Line Power Monitoring
- Battery Powered
- FC/APC In- and Output adaptor
- Micro USB interface for optional remote readout via API
- Standard Single Mode fiber compatible (G-652-D)

VARIANTS

Monitor Power Range

- -50dBm to + 16dBm
- -40dBm to + 26dBm

Monitor Wavelength Range

- 1550nm range
- 1310/1480/1550nm range

RoHS compliant

ACCESSORY

A Variable Attenuator Patch Cord accessory provides a compact and simple feature to manually equalize the power of optical signals in fiber optic systems.

When mated to a standard connector, the variable attenuator connector causes the optical signal to become attenuated by creating a variable air gap between the connector ferrules.

Attenuation is adjusted by means of a self-locking screw mechanism.

It is an ideal complement to the Optical Power Monitor allowing to tune to a desired target power.

SPECIFICATION

PARAMETER	SPECIFICATION		UNIT
Type	**M510-**	**M520-**	
Insertion Loss excl. connector loss	< 0.5	< 0.2	dB
Power Range	-50 to +16	-40 to +26	dB
Polarization stability	< 0.2		dB
Absolute Accuracy at cal. wavelengths	< 0.2		dB
Directivity @ 1550nm	< 20		dB
Power source	1 Coin Cell (CR2477N), micro-USB		
Battery Life	3 years Typical (slow mode)		
Display Resolution	0.1		dB
Display Refresh Rate	< 0.1 (fast mode) / < 0.8 (slow mode)		sec
Output Interface	display / micro-USB (License required)		
Operating Temperature	0 to +40		deg C
Storage Temperature	-10 to +60		deg C
Size (housing only)	94.5 x 56.5 x 27		mm
Weight	< 100		Gr

POLARIZATION MAINTAINING COUPLER MODULE

MONITOR

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POWER RANGE
510: -50 to +16 dBm
520: -40 to +26 dBm

WAVELENGTH RANGE
xx: 1150 nm
12: 1310/1480/1550 nm

VG01-01-15-15	**VARIABLE ATTENUATOR PATCH CORD**
ACC-EL-BATT	**REPLACEMENT BATTERY FOR S500 MONITOR, CR2477N**
200-100-001	**SOFTWARE LICENSE FOR MONITOR READOUT VIA USB**

REQUEST A QUOTATION
Get in touch with us via info@id-photonics.com or send a request via our web form.

SCAN ME

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