

Technical Specifications AF-OS400N Series Fiber Optic Source

Product: OS400N Series

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Rev: 01

Description

Advanced Fiber Solutions offer a complete line of sources for both single mode and multimode testing applications. The OS400N series units are cost-effective, rugged, handheld LED and laser light sources designed for performing insertion loss measurements on fiber optic links when used with an optical power meter. The LED output is stabilized to ensure accurate test results per current TIA/EIA requirements. Whether testing outside plant or premise an OS400N series optical source is the perfect tool when combined with an OM120N-I series optical power meter. On each source all wavelengths are individually adjustable allowing the user to use less battery power when high optical output power is not necessary, or to turn up the power to test longer runs. The AF-OS420N 850/1300nm LED light source is designed for multimode applications and the AF-OS430N 1310/1550nm laser source is designed for single-mode applications.

Note: The AF-OS430N comes equipped with interchangeable ST, FC and SC connector adapters.

Sample Picture: AF- OS430N



These units are easy to operate with only a wavelength/ power switch on the LED sources AF-OS420N, which selects optical wavelengths or disables unit. The AF-OS430N laser source has two front panel switches. The top switch which allows the user to select which wavelength to operate at, and the lower switch which enables the user to select between either the CW or the 2Khz output for the transmitting wavelength.

Kit Highlights and Key Features

◦ Rugged, handheld, lightweight	◦ Cost-effective, easy to use
◦ Certify single-mode and multimode links per TIA/EIA standards	◦ Low battery indicator
◦ CW or 2 kHz modulated tone on AF-OS430N laser source	◦ Adjustable output
◦ 850nm and 1300 nm LED (multimode) / 1310nm and 1550nm laser (single mode)	

Technical Specifications

CE

Optical Specification	AF-OS420N	AF-OS430N
Applications	Premise cable networks with multimode fiber	Outside plant single mode
Wavelength	850nm/1300nm	1300nm/1550nm
Output Type	LED	Laser
Modulated Frequencies	CW	2khz/CW
Stability Per Hour	Less than 0.05dB	Less than 0.05dB
Power Output	>-20dBm	>-5dBm
Connector Style	ST	Interchangeable ST/SC/FC
All Units		
Controls	Front panel slide switches	
Power	1x9V Battery or AC Power Converter	
Low Battery Indicator	Yes	
Protective Rubber Boot	Yes	
Enclosure Size	Compact Handheld (L-4.94"/W-2.75"/H-1.2")	

Temperature Specifications	
Operation Temperature	-10°C to +50°C (45% Hum, non condensing)
Storage Temperature	-20°C to +60°C (75% Hum, non condensing)

Ordering Information

Model Number	Output Wavelength(nm)	Output Type	Output Power
AF-OS420N	850nm/1300nm	LED	>-20dBm
AF-OS430N	1310nm/1550nm	Laser	>-5dBm