

# 570XL-AS100-EMI 850/1300NM LED SOURCE

WITH ENHANCED EMI PERFORMANCE

TESTING | TROUBLESHOOTING | ACCURACY

## Product Features:

### MULTIMODE LED SOURCE FOR INSERTION LOSS

The Tempo 570XL-AS100-EMI is a small, rugged source for insertion loss testing multi-mode fiber optic cables. Dual wavelength output (850nm and 1300nm) enables fast and accurate insertion loss measurements. Once the user has set the reference with an optical power meter, the 570XL-AS100-EMI LED Source provides stable output for hours of continuous measurements.

The 570XL-AS100-EMI LED Source also features a Universal Connector Interface (UCI) and can be configured to work with a variety of connector types (available separately).

- 850nm / 1300nm wavelength LED Source
- Rugged, splash-proof design
- Long battery life: over 40 hours of continuous operation
- Continuous wave and modulated output settings
- Supports a wide range of UCI connectors, including FC, SC, and ST
- Configured to meet AS100 launch conditions
- Enhanced EMI performance: MIL-STD-461E, Method RS103 tested to 200 V/m

### UNIVERSAL CONNECTOR INTERFACE (UCI)



APC-108



AT5-108



ATS-108

Universal Connector Interface (UCI) are used on the 570XL Fiber Optic LED Source. The Universal Connector Interface configures the Optical Light Source for various optical connectors. Many other connector types are available.

The 570XL-AS100-EMI requires that the desired UCI adapter (FC, SC or ST) to be ordered with each instrument. Refer to Ordering information on this datasheet.



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# 570XL-AS100-EMI INFORMATION

## SPECIFICATIONS:

Center Wavelengths:	850nm	1300nm
Range (typical):	820nm to 880nm	1270nm to 1345nm
Max. spectral width:	60nm	150nm
Stability (1 hour):	±0.05dB	±0.05dB
Typical power output: 100/140um 62.5/125um 50/125um	-20dBm -22dBm -22dBm	-20dBm -22dBm -22dBm
Power Uncertainty:	±0.5dB	±0.5dB
Modulation frequency:	270Hz, 1 kHz and 2 kHz	270Hz, 1 kHz and 2 kHz
Power Requirements:	Two AA size 1.5V batteries (approx. 40 hours continuous operation)	Two AA size 1.5V batteries (approx. 40 hours continuous operation)
Connector interface:	UCI	UCI
Operating temperature:	-15° C to +55° C	
Storage temperature:	-35° C to +70° C	
Humidity:	0 to 95% (non-condensing)	
Dimensions:	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)	
Weight:	241g (8.5 oz.)	
CE:	EN61010; EN50081-1: 1992; EN55011, Group 1, Class A EN50082-1: 1992 IEC 801-2, -3, -4	

## ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
570XL-AS100-EMI	850/1300nm LED Source
APC-108*	FC UCI Adapter
ATS-108*	ST UCI Adapter
ASC-108*	SC UCI Adapter

\* ACCESSORY, SOLD SEPARATELY

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