

OPTICAL SOURCES

OS400 SERIES:



OS420 Optical power source

The OS400 series sources offer a complete line of sources for any testing application. Whether testing outside plant or premise an OS400 series optical source will be perfect when combined with an OM100 or OM200 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 long runs. This also makes it possible for the OS420 LED source to test single-mode cables up to 5km.

* OS405 not adjustable

OS400 series specifications:

	OS405	OS417	OS420	OS430
Applications	Visual Fault locator	Plastic, large core multi-mode fibers	Premises, campus cabling networks with multimode fiber, or single-mode fibers under 5km	Single-mode fibers, outside plant environment, long wavelengths applications
Wavelength (λ)	635	635/850	850/1300	1310/1550
Output Type	LASER	LED	LED	LASER
Wavelength Range	N/A	850nm ± 30nm	850nm ± 30nm 1300nm ± 30nm	1310 ± 20nm 1550nm ± 20nm
Couple Power Ratio 1300nm	N/A	N/A	Category 1 according to the standard EIA-526-14B	N/A
Couple Power Ratio 850nm	N/A	N/A	Category 1 according to the standard EIA-526-14B	N/A
Modulated Frequencies	1 Hz	N/A	N/A	2 kHz
Stability per hour	Less than 0.5dB	Less than 0.5dB	Less than 0.05dB	Less than 0.05dB
Power Output	1mW max	>-17dBm@850nm	>-17dBm	>-8dBm
Connector	ST/SC/FC	ST	ST	ST/SC/FC
Power	2 AA, AC adaptor			
Enclosure Size	Compact Handheld (L-4.94"/W-2.75"/H-1.2")			
Operating Temp.	-10°C to +50°C (45% Hum, non condensing)			
Storage Temp.	-20°C to +60°C (75% Hum, non condensing)			