

## LS13XX Series Laser Sources

The LS13XX Series Laser Light Sources are low cost, high value fiber optic light sources offering premium performance in a rugged compact package. Product offering includes a 1310nm source (LS1310), and a 1310nm/1550nm dual port Laser source (LS1315). Standard features include Power On indicator, extended battery life, low battery detection, and temperature stabilized power control circuitry. These sources utilize high quality InGaAsP laser emitters, having specified wavelength tolerance and a high degree of coupling stability, allowing for meaningful and consistent attenuation measurement results. Typical coupled output power is -7dBm. When used with the M100 Power Meter or M25 Optical DMM Module, better than 55dB of measurement range is available. Typical applications include datacomm, telecom, and CATV network installation and maintenance testing of



singlemode optical fiber, passive optical component testing, patchcord verification or other applications that require the use of a 1310nm or 1550nm Laser source.

### SPECIFICATIONS:

<b>Model LS1310</b>	TA = 23° C ± 5° C
Emitter Type	InGaAsP
Central Wavelength	1310nm
Central Wavelength Tolerance	+/- 20nm
Spectral Bandwidth	5nm
Fiber Coupled Power (typ.)	-7 dBm (9um core)
Wavelength Temperature Coefficient	+ .4nm/ deg. C
Tracking Error (typ.)	+/- .02 dB/deg C
Connector Style(s)	ST, FC

<b>Model LS1315</b>	InGaAsP
Emitter Type	InGaAsP
Central Wavelength	1310nm, 1550nm
Central Wavelength Tolerance	+/- 20nm
Spectral Bandwidth (typ.)	5nm
Fiber Coupled Power (typ.)	-7 dBm (9um core)
Wavelength Temperature Coefficient	+ .4nm/ deg. C
Tracking Error (typ.)	+/- .02 dB/ deg. C
Connector Style(s)	ST, FC

#### Environmental Characteristics (all models):

Temperature Range:	
Operating	-10° C to +50° C
Storage	-55° C to +65° C
Humidity (non-condensing)	5 - 95% relative humidity

#### Mechanical Specifications (all models):

Size	4.5" x 2.38" x 1.0"
Weight	1/4 lb

#### Power Requirements (all models):

Battery	9 volt alkaline* (standard)
Battery life (typical)	30 hours (alkaline)

\* Other battery chemistries such as Lithium, nickel cadmium, or carbon zinc having a terminal voltage of 8.0 to 9.5v and the same form, can be used.

INFOS Laser Sources have been designed to comply with United States Title 21, CFR (Code of Federal Regulations), Parts 1040.10 and 1040.11 for Class 1 emission limits.