SNSptical

SNS L2000 Loss Meter

Features

- 3-in-1 as loss meter, light source, and power meter
- As loss meter
  - Measure fiber loss at 1310nm or 1550nm
- As light source
  - Single-head selectable output wavelength of 1310 or 1550 nm
  - Ultra high output stability ±0.05dB
  - High output power preset at 0 dBm, or at customer-defined value
  - Selectable CW, 270 Hz, 1KHz or 2KHz modulated output
- As power meter
  - Calibrated outputs at 850, 1310, 1490, 1550, and 1625nm
  - Data storage, logging, and PC up-loading
  - Interactive measurements via PC
  - Calibration on-site with customer's own standard if needed
  - Selection of relative/absolute power measurement
  - Display measurement in dB, dBm, mW, uW, nW
  - Resolution 0.01dB; absolute accuracy ±0.25dB
  - For both single-mode and multi-mode optical fiber
- Small size, easy for field applications
- Light weight, less than 0.2Kg
- Auto power shut-off Enable / Disable
- Auto laser shut off at above 60°C
- Rechargeable battery, Battery-full and Battery-low indicator
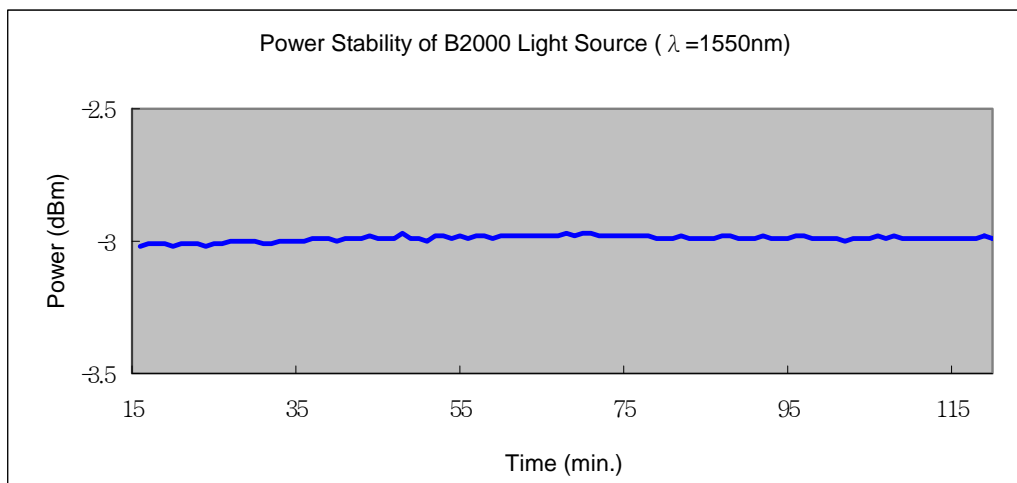- Changeable receptacle connector FC, SC, ST

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SNS L2000 Loss Meter

Specifications (Loss Meter)

Wavelength	1310 or 1550 nm
Accuracy	In dB, two decimal digits
Functions	ON/OFF (Power switch) Function Selection: as loss meter, light source, or power meter λ(Wavelength select between 1310 and 1550 nm) Auto shut off at 60°C Auto shut off after 10 minutes turn-on time Auto shut off disabled Low battery power indication
Optical Connector Interface	FC or ST or SC, adapter for other connector available
Power	Rechargeable Lithium battery, works continuously for 8 hrs after 2-hrs full charge

Environmental:
  Operation Temp. Humidity
  Storage Temp. Humidity
	-15°C to 50°C, 0-95% RH (non-condensing)
	-35°C to +70°C, 0-95% RH (non-condensing)

Dimensions (Length x Width x Height)	16x7x3 cm (measured without case)
Weight (w/ batteries)	<0.2Kg

Specifications (as Light Source)

Wavelength
  Central
  Spectral Width
	1310 and 1550 nm +/- 20nm for FP LD
	< 4 nm

Stability (1 hr)	±0.05dB
Power Output: (Into 9/125um Fiber)	-3 or 0dBm (or customer specified)
Power Output Uncertainty	0.5 dB
Functions	ON/OFF (Power switch) λ(Wavelength select between 1310 and 1550 nm) Hz (Modulated output mode) Auto shut off at 60°C Auto shut off after 10 minutes turn-on time Auto shut off disabled Low battery power indication
Modulation Frequencies	270Hz, 1kHz or 2kHz
Optical Connector Interface	FC or ST or SC, adapter for other connector available

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Power Stability of B2000 Light Source (λ =1550nm)

Standard Deviation=0.01dB

Specifications (Power Meter)

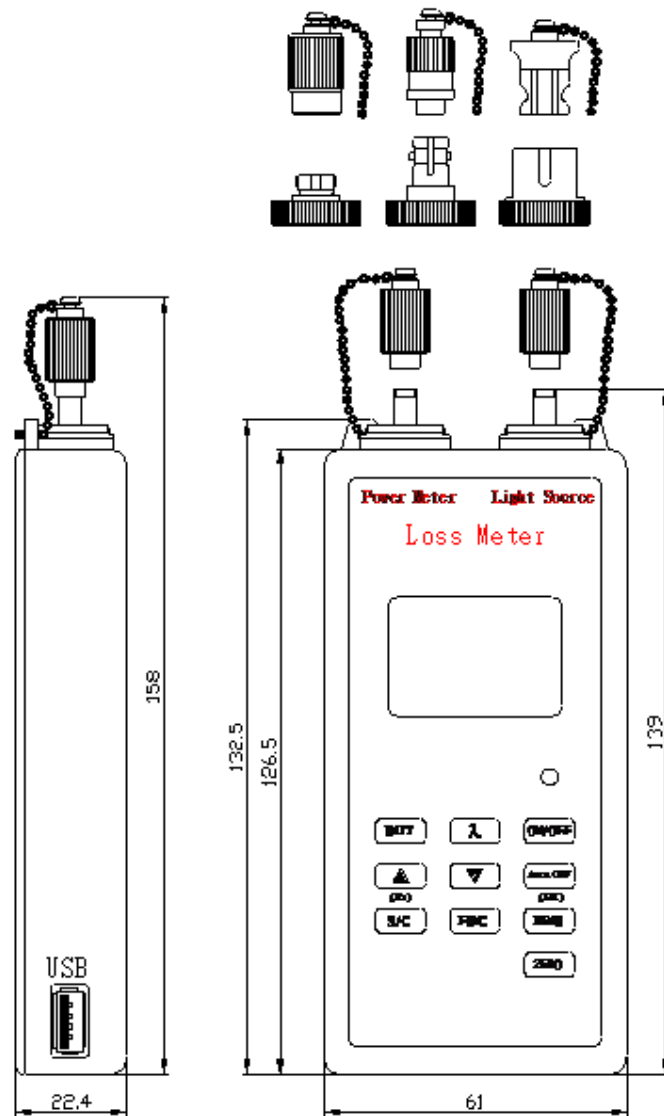|	
Detector Material	InGaAs
Calibration Wavelengths	850, 1310, 1490, 1550, 1625nm or customer specified ones
Power Range	+3 to -60 dBm or +23 to -40 dBm
Polarization Dependence	< 0.1 dB
Absolute Accuracy	±0.25dB under calibrated conditions
Linearity	±0.05dB
Display	LCD displays power in selected unit, wavelength. Warning symbol for low battery, Auto-Off Enable/disable
Calibration Data	Data stored in non-volatile memory
Functions	ON/OFF: power switch; Auto-Off: enable/disable switch λ-key: input wavelength selection Unit-key: power unit selection, and new power reference set Data storage and PC up-loading On-site calibration up-down keys Battery level indicator

Ordering information

SNS L 2000 ☐ ☐ ☐ ────── Output Power

e.g. -3 for –3 dBm

0 for 0 dBm

Connector type
SC, FC, ST

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Options:

       Changeable receptacle FC, SC, or ST

       Standard Multi-units Carrying Case

       Heavy-Duty Multi-units Carrying Case

Unit:mm

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