

## SUN-VOA100 Optical Attenuator

Sun Telecom's SUN-VOA100 series handheld variable optical attenuator (VOA) is capable of adjusting the output attenuation in steps of 0.05dB over a wide attenuation range of 2.5dB to 60dB. In addition, this variable optical attenuator provides the low insertion loss, high return loss, wide attenuating wavelength range and excellent attenuation accuracy needed in a variable fiber optic testing system.

### Features

- Easy to use, operating by the single rotary knob
- Restoring the system to the previous power off state when powered on
- 10 minutes auto-power off
- 2.5 ~ 60 dB attenuation range

### Applications

- Optical communication project maintenance
- CATV project maintenance
- Teaching and testing of optical communication



### Specifications

Parameters	Specification	
	SUN-VOA100-H	SUN-VOA100-HB
Model	SUN-VOA100-H	SUN-VOA100-HB
Calibration Wavelength (nm)	1310/1490/1550/1625	850/1300
Fiber Type	SM 9/125 um	MM 62.5/125 um (50/125 is optional)
Optical Connector	SC/FC/ST interchangeable port	
Attenuation range (dB)	2.5 ~ 60	
Resolution (dB)	0.05	
Min. Insertion Loss (dB)	< 2.5	
Linearity (dB)	± 0.5	
Repeatability (dB)	± 0.2	
Attenuation Accuracy (dB)	± 0.8	
Return Loss (dB)	>35 (typical value 40)	
Max. Input (dBm)	+20	
Display Type	128 x 64, white backlight	
Rechargeable Battery (V)	7.4	
Power Supply (V)	7 ~ 8.5	
Operation Temperature (°C)	0 ~ +40	
Storage Temperature (°C)	-10 ~ +60	
Humidity	0 ~ 95% (non-condensing)	
Dimensions (mm)	210 (L) x 115 (W) x 55 (H)	
Weight (g)	450	



**Standard Package**

No.	Name	Unit	Quantity
1	Optical Attenuator	set	1
2	Lithium Battery	piece	1
3	Charger	piece	1
4	Power Adaptor	piece	1
5	Soft Bag	piece	1
6	USB Disk	piece	1
7	Cotton Swab	piece	1

**Ordering Information**

Model	Name	Description
SUN-VOA100-H	Optical Attenuator	Handheld, 1310/1490/1550/1625 nm; Variable attenuation range: 2.5 ~ 60 dB; SC/FC/ST interchangeable port
SUN-VOA100-HB	Optical Attenuator	Handheld, 850/1300 nm; Variable attenuation range: 2.5 ~ 60 dB; SC/FC/ST interchangeable port

**Note:** For the necessity of improvement, the material contained in this document is subject to change without notice.

Version 20180807