

Appendix A. Specifications & Labeling

This Appendix provides specifications, dimensional drawings and labeling information.

Table A-1. Specifications

	WA-1100	WA-1600
Accuracy	±1 ppm (± 1.5 pm @ 1550 nm)	±0.2 ppm (± 0.30 pm @ 1550 nm)
Resolution (Display)	0.001 nm	0.0001 nm
Input Sensitivity	-30 dBm (1µW) 1200 - 1700 nm, -20 dBm below 1200 nm	
Max Input Power	10 dBm (10 mW)	
Optical Power Measurement		
Accuracy	±0.5dB (±10%)	
Resolution	±0.05dB (±1%)	
Max. Input Power	10 mW (100mW with external attenuator)	
General		
Design	Scanning Michelson interferometer design	
Input	Fiber Optic Coupler, FC/APC standard	
Wavelength Range	700-1700 nm	
Measurement Rate	10 per second	1 per second
Temperature Range	15-30 °C (ambient temperature)	
Pressure Range	500 - 900 mm Hg	
Dimensions	417 mm ×356 mm × 89 mm	
Communications Interface	RS-232 and IEEE 488.2 standard	
Electrical Power Consumption	45 Watts at 110 V	60 Watts at 110 V
Weight	12 Kg (25 lbs)	
Power Requirements	90-260 VAC, 50/60 Hz	
Fuse	2A, 250 V, time-delay, 5 x 20mm (1/4" x 1 1/4")	

*Sensitivity defines the optical input power required over most of the wavelength range. More power may be necessary at either end of the range, depending on the photodetector.