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TECHNOLOGY GROUP

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2.1 Specifications

Table 2-1 Specifications at 18°C to 25°C (continued).

	MODEL	575L	577L	578L
2.2.12	Display	Custom tri-plexed liquid crystal display with 4 digit data field and simultaneous display of cal wavelength		
2.2.13	Measurement Modes	dBm,dB,WATT		
2.2.14	Optical Connector Interface	RIFOCS Snap-On Connector (SOC) series adapters.		
2.2.15	RS232 Interface	Conforms to RS232C standard. 25 pin D connector female		
2.2.16	I^2C Interface	Conforms to the Inter-Integrated (I^2C) Circuit Bus specification		
2.2.17	Parallel Printer Interface	Logic level: 0-5V Drives 1 TTL load 25 pin D connector, female		
2.2.18	Analog Output Interface	0 TO 3V (Amplifier output) Maximum analog output load > 5k ohm tr/tf < 0.1ms for P >= 1µW tr/tf < 1ms for P >= 10nW		
2.2.19	Line Power	100VAC TO 250VAC, 50-60 Hz		
2.2.20	Warm Up Time	5 minutes		
2.2.21	Operating Environment Storage Environment	-5°C to 55°C, 0-95% RH (Non-condensing) -15°C to 70°C, 0-95% RH (Non-condensing)		

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Table 2-1 Specifications at 18°C to 25°C.

	MODEL	575L	577L	578L
2.2.1	Sensor Type	InGaAs	Si	InGaAs
2.2.2	Dynamic Range	+3 to -80dBm	+3 to -75dBm	+20 to -60dBm
2.2.3	Cal Wavelengths	780/850/1300/ 1550nm	635/780/ 850nm	850/980/1300 1480/1550nm
2.2.4	Linearity	±0.05dB		
2.2.5	Absolute Accuracy	±0.25dB at Calibration Conditions		
2.2.6	Stability	< ±0.02dB (10°C to 35°C) < ±0.05dB Operating temperature range		
2.2.7	Resolution	Log: 0.01dB Linear: 0.001nW,uW,mW		
2.2.8	Calibration Traceability	U.S.N.I.S.T		
2.2.9	Recommended Recalibration Period	12 Months		
2.2.10	Settling Time	2 Seconds		
2.2.11	Number of readings/sec (in remote mode)	10 readings per second (typical)		

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Table 2-1 Specifications at 18°C to 25°C (continued).

	MODEL	575L	577L	578L
	Weight/ Dimensions Basic Instrument Shipping Weight	Weight, kg (lbs) Height x Width x Depth cm (in.) 2.15kg (4.75 lbs.) 8 X 19 X 29cm (3.125 x 7.375 x 11.375 in.) 3.40kg (7.5 lbs.) 15 X 28 X 38cm (5.750 x 10.75 x 14.875 in.)		

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