

SECTION 1-3: SPECIFICATIONS

OPERATING SPECIFICATIONS

	<u>MODEL 2200XF</u>	<u>MODEL 2250XF</u>
SENSOR TYPE:	Si Photodiode	TE-cooled Ge Photodiode
ACTIVE AREA:	37.7mm ²	19.6mm ²
SPECTRAL CAL:	400-1150nm, Every 10nm	800-1800nm, Every 10nm
SPECTRAL ACCURACY:	+ 6% (450-1100nm)	+ 8% (800-1600nm)
SENSOR LINEARITY:	+ 1% (-80 to 0 dBm) + 2% (0 to +6 dBm)	+ 1% (-70 to 0 dBm) + 2% (0 to +6 dBm)
SENSOR UNIFORMITY:	+ 2%	+ 2%
ELECTRICAL ACCURACY:	+ 1%	+ 1%
ELECTRICAL LINEARITY:	+ 1%	+ 1%
BATTERY LIFE (typ):	30 hr	10 hr
dBm Range at 820nm:	-80 to +6 dBm	-70 to +6 dBm
1300nm:	---	-70 to +6 dBm
1550nm:	---	-70 to +6 dBm

All operational specifications are at 25°C and/or -20 dBm unless otherwise noted. Sensor uniformity and linearity assume a completely underfilled active area.

DISPLAY SPECIFICATIONS

LOG DISPLAY UNITS:	dB, dBm
LOG DISPLAY RESOLUTION:	0.01 dB
LINEAR DISPLAY UNITS:	Watts (mW, uW, nW)
LINEAR DISPLAY RESOLUTION:	4 digits (Levels > 1 nW)
CAL WAVELENGTH UNITS:	Nanometers (nm)

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE:	-15 to +45°C (+5 to +113°F)
STORAGE TEMPERATURE:	-40 to +70°C (-40 to +158°F)
RELATIVE HUMIDITY:	0-95%, Non-Condensing
ALTITUDE: Operating	3050 m (10,000 ft)
Non-Operating	12,000 m (40,000 ft)
FLAT DROP:	76 mm (3 in)
EDGE DROP:	152 mm (6 in)
VIBRATION:	5-100 Hz, 0.5 g maximum
WATER RESISTANCE:	Watertight with cover on
FUNGUS RESISTANCE:	Materials used are fungus inert

PHYSICAL SPECIFICATIONS

WEIGHT:	5.5 kg (12 lbs)
HEIGHT:	212 mm (8.25 in)
WIDTH:	212 mm (8.25 in)
DEPTH:	250 mm (10.75 in)