Anemometer	Range	0 to 50 m/s (112 mph)
	Sensor	20 cm diameter 4-blade helicoid propeller carbon fiber thermoplastic
	Distance Constant	2.1 m (6.9 ft.) for 63% recovery
	Threshold Sensitivity	0.4 m/s (0.9 mph)
	Wind Direction Specification Summary	
	Range	360° mechanical, 355° electrical (5° open)
	Sensor	Balanced vane, 48.3 cm (19 in) turning radius
	Delay Distance	1.2 m (3.9 ft) for 50% recovery
	Threshold Sensitivity	0.5 m/s (1.0 mph) at 10° displacement 0.7 m/s (1.6 mph) at 5° displacement
	Transducer	Precision conductive plastic potentiometer, 10K ohm resistance (±20%), 0.25% linearity, life expectancy 50 million revolutions, rated 1 watt at 40°C, 0 watts at 125°C
	Transducer Excitation Requirement	Regulated DC voltage, 15 VDC max
	Transducer Output	Analog DC voltage proportional to azimuth angle with regulated excitation voltage applied across potentiometer.
	Operating temperature	-50 to 50°C (-58 to 122°F)

Temperature and Humidity Probe	Supply Voltage	5 to 28 Vdc (typically powered by datalogger's 12 V supply)
	Current Consumption	• 1 mA (typical) 5 mA (maximum)
	Filter Description	0.2 µm Teflon membrane
	Settling Time	1 s
	Housing Classification	IP65
	Housing Material	AISI 316 stainless steel
	Filter Cap Material	Chrome-coated ABS plastic
	Sensor Diameter	1.2 cm (0.5 in.)
	Filter Diameter	1.2 cm (0.5 in.)
	Length	7.1 cm (2.8 in.)
	Weight	0.05 kg (0.1 lb) with 1.83 m (6 ft) cable

Pyrgeometer	Sensitivity	0.12 mV per W m^{-2}
	Calibration Factor (Reciprocal of Sensitivity)	8.5 W m^{-2} per mV
	Calibration Uncertainty	± 5 %
	Measurement Range	-200 to 200 W m^{-2} (net longwave irradiance)
	Measurement Repeatability	Less than 1%
	Long-term Drift	Less than 2 % change in sensitivity per year
	Non-linearity	Less than 1 %
	Detector Response Time	Less than 0.5 s
	Field of View	150˚
	Spectral Range	5 to 30 µm
	Temperature Response	Less than 5 % from -15 to 45 C
	Zero Offset B	Less than 5 W m^{-2}
	Tilt Error	Less than 0.5 %
	Uncertainty in Daily Total	± 5 %
	Temperature Sensor	30 kΩ thermistor, ± 1 C tolerance at 25 C
	Output from Thermistor	0 to 2500 mV (typical, other voltages can be used)
	Input Voltage Requirement for Thermistor	2500 mV excitation (typical, other voltages can be used)
	Heater	780 Ω, 15.4 mA current draw and 185 mW power requirement at 12 V DC
	Dimensions	37.5 mm height, 23.5 mm diameter
	Mass	90 g

Pyranometer	Sensitivity	0.057 mV per W m^{-2}
	Calibration Uncertainty	± 5 %
	Measurement Range	0 to 2000 W m^{-2} (net shortwave radiation)
	Measurement Repeatability	Less than 1 %
	Long-term Drift	Less than 2 % per year
	Non-linearity	Less than 1 %
	Detector Response Time	0.5 s
	Field of View	180°
	Spectral Range (50 % points)	385 nm to 2105 nm
	Directional (Cosine) Response	Less than 30 W m^{-2} at 80° solar zenith
	Temperature Response	Less than 5 % from -15 to 45 C
	Zero Offset A	Less than 5 W m^{-2}; Less than 10 W m^{-2} (heated)
	Zero Offset B	Less than 5 W m^{-2}
	Uncertainty with Daily Total	Less than 5 %
	Operating Environment	-50 to 80 C; 0 to 100% relative humidity

Compass with Serial Interface	Resolution	0.5 degrees
	Accuracy	±2 degrees (rms)
	Sensitivity	50mV p-p aMOHz
	Range	0-2000 Hz

Barometric Pressure Sensor	Pressure Range	600 to 1100 hPa
	Long-Term Stability	±0.1 hPa per year
	Response Time	<100 ms
	Resolution	±0.01 hPa
	Accuracy	±0.5 hPa (@ +20°C) ±1.0 hPa (@ 0° to 40°C) ±1.5 hPa (@ -20° to +50°C) ±2.0 hPa (@ -40° to +60°C)
	Linearity	±0.4 hPa
	Hysteresis	±0.05 hPa
	Repeatability	±0.03 hPa
	Signal Output	0 to 2.5 Vdc
	Warm-up Time	< 1 s
	External Trigger Voltage	0 Vdc (sleep mode) 3 to 28 Vdc (operating mode)
	Current Consumption	< 3 mA (active) < 1 µA (sleep mode)
	Operating Temperature Range	-40° to +60°C
	Cable Diameter	0.8 cm (0.3 in.)
	Cable Length	0.8 m (2.5 ft)
	Dimensions	9.1 x 6.1 x 2.5 cm (3.6 x 2.4 x 1.0 in.)
	Weight	135 (4.8 oz)