



SPECIFICATIONS OVERVIEW



NIR-6000 INDUSTRIAL-GRADE MOISTURE ANALYZER

SPECIFICATIONS

NIR-6000 INDUSTRIAL-GRADE MOISTURE ANALYZER

NUMBER OF MEASURED CONSTITUENTS:		1, 2 or 3
RANGES AND ABSOLUTE ACCURACY ¹ :	Moisture	0 to 95% ±0.10%
	Fat	0 to 75% ±0.20%
	Protein	0 to 70% ±0.15%
	Total Sugar	0 to 30% ±1.00%
	Nicotine	0 to 6% ±0.10%
INSTRUMENT REPEATABILITY ² :		±0.10
RECOMMENDED MEASUREMENT DISTANCE:		4 -12 in (100-300 mm)
STANDARD INSTRUMENT WEIGHT ³ :		18 lbs (8.16 kg)
MEASUREMENT SAMPLE AREA:		Ø1.34" at 6" distance (Ø34 mm at 150 mm distance)
OPERATING TEMPERATURES ⁴ :	Standard	32 to 131°F (0 to 55°C)
	Air Cooling Option	32 to 167°F (0 to 75°C)
	Water Cooling Option	32 to 185°F (0 to 85°C)
	Heating Option	-4 to 131°F (-20 to 55°C)
ENCLOSURE:		Cast Aluminum – Powder Coated
POWER:		85-265VAC (47-63Hz), 25W
	Optional	24 VDC, 25W
STANDARD INSTRUMENT INTERFACE OPTIONS:		3 self-powered isolated 4-20mA outputs 1 Ethernet TCP/IP 1 Digital RS-485 or RS-422 or RS-232 1 Digital Input 1 Digital Output
PROPRIETARY INTERFACE OPTIONS: ⁵		PROFIBUS PROFINET DeviceNet EtherNet IP
WARRANTY:		2-year Parts and Labor 5-year Lamp and Motor

¹ All accuracies subject to application

² Instrument repeatability is subject to application

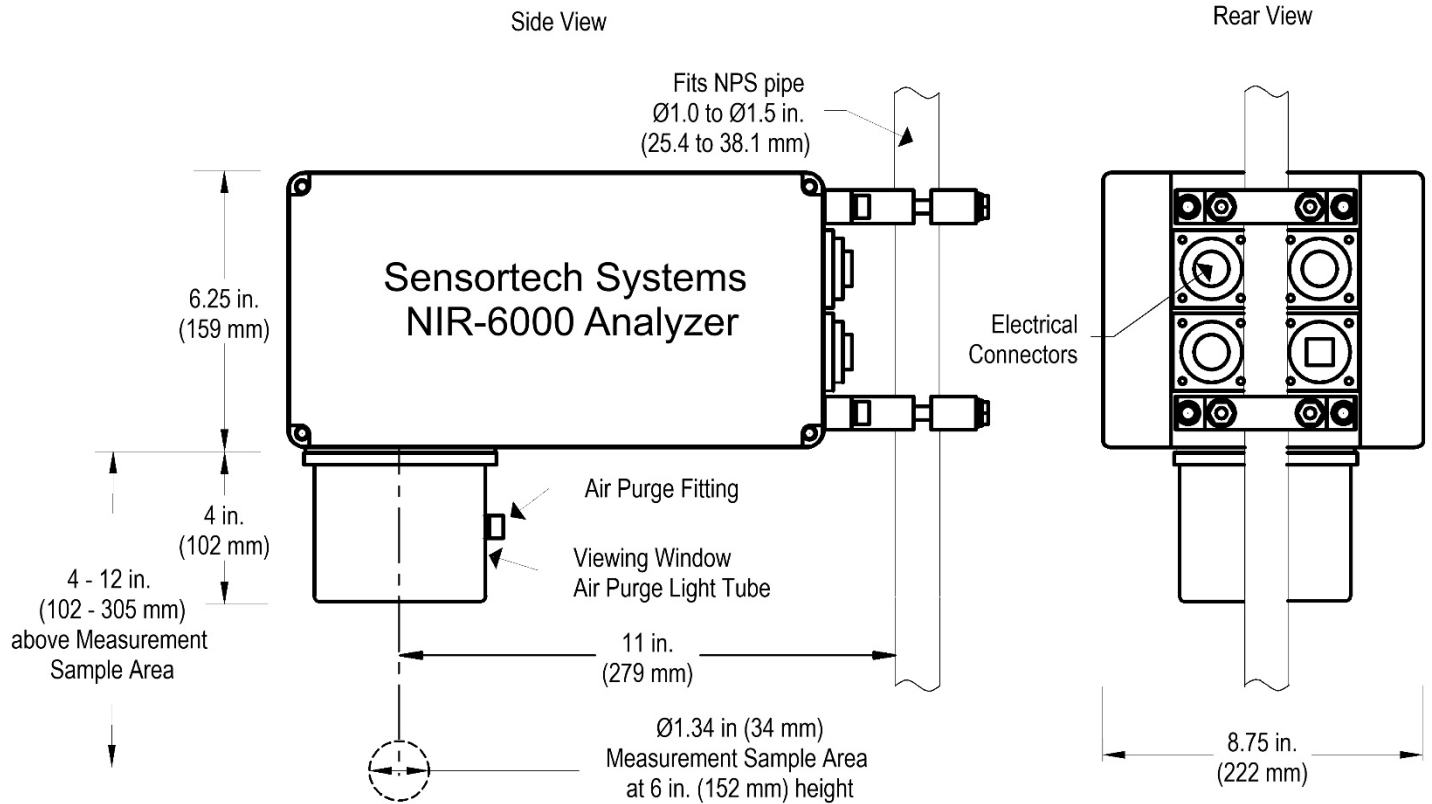
³ Non-standard enclosures are subject to application

⁴ Several options are available spanning and exceeding the minimum and maximum stated temperature specifications; contact Sensortech for details

⁵ External devices communicate via Modbus/RTU protocol

DIMENSIONS

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ABOUT SENSORTECH SYSTEMS

Incorporated in 1983, Sensortech Systems, Inc. continues to be the trusted name in industrial moisture measurement and control. We have risen to become the global leader in applied moisture measurement technologies for manufacturers.

Sensortech instruments are operational in a diverse range of industries around the world providing productivity enhancing benefits, effective process control and quality assurance. The keys to our success are leading-edge manufacturing processes, comprehensive testing and quality control standards, high performance instruments, a diverse range of applications, and superior customer support.

We operate a full design, development, and manufacturing facility specializing in Near Infrared Reflectance (NIR) and Radio Frequency (RF) technology. Because of our expertise in both disciplines of moisture measurement technologies, we apply the precise instrumentation to your process and application. Rely on Sensortech for repeatable, accurate and real-time measurement for process control.



341 Bernoulli Circle, Oxnard, CA 93030, USA
Phone: (805) 981-3735 Fax: (805) 981-3738
info@sensortech.com | sensortech.com

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