

NIR-6000

Industrial-Grade MOISTURE ANALYZER



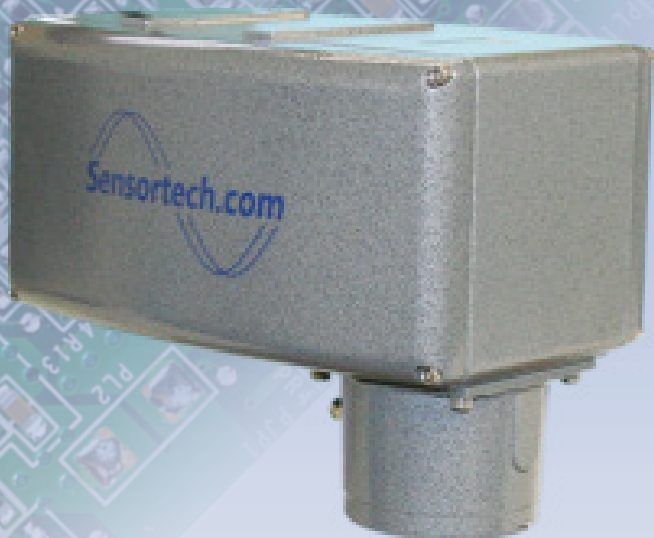
Improve Process
Conserve Energy
Reduce Waste
Assure Quality



MOISTURE MEASUREMENT
AND CONTROL for
MANUFACTURING QUALITY



NIR-6000 Industrial-Grade Moisture Analyzer



The NIR-6000 provides an on-line, real-time moisture analysis of your product. This ongoing monitoring enables forward thinking and determination of optimum drying process conditions essential for manufacturing. Our sensor employs near infrared reflectance (NIR) technology, which is continuous, non-contact and non-destructive. Your process is never impeded and your product never compromised.

More Control with Management Software

The NIR Series includes a proprietary PC-based software package that offers an accelerated view of your production process from your process computer or the optional HMI. Features include high-resolution display, data-logging, calibration utilities and all configuration settings.

SENSORTECH SYSTEMS, INC. is a full design, development and manufacturing company specializing in moisture measurement technology. Our instruments support diverse industries throughout the world and we develop solutions for a comprehensive range of applications.



SPECIFICATIONS

Ranges and Absolute Accuracy¹:

Moisture 0 to 95% $\pm 0.10\%$

Instrument Repeatability²:

± 0.10

Recommended Measurement Distance:

4 -12 in (100-300 mm)

Standard Instrument Weight³:

21 lbs (9.53 kg)

Optical Sampling Size:

1.77 in (45 mm)

Operating Temperatures⁴:

Standard	32 to 131°F (0 to 55°C)
Air Cooling Panel	32 to 185°F (0 to 85°C)
Water Cooling Panel	32 to 185°F (0 to 85°C)
Heating Option	-4 to 131°F (-20 to 55°C)

Enclosure:

Cast Aluminum – Powder Coated

Power:

	80/265 VAC (50/60 Hz)
Optional	24 VDC

Standard Instrument I/O:

3 self-powered isolated 4-20mA Outputs
Ethernet TCP/IP
Digital RS-485/422/232
1 Digital Input
1 Digital Output

Proprietary Interface Options⁵:

PROFIBUS
PROFINET
DeviceNet
EtherNet I/P

Warranty:

2-year Parts and Labor
5-year Lamp and Motor

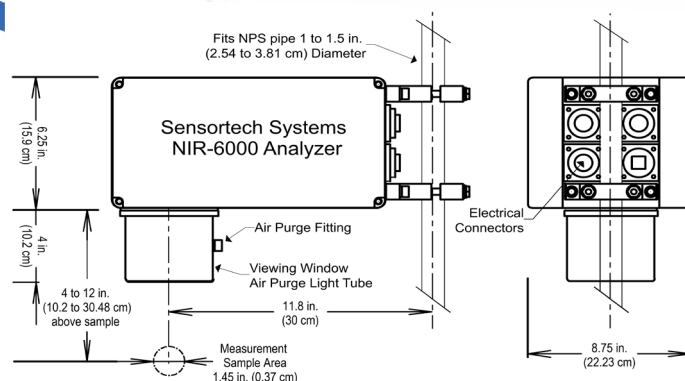
¹ All accuracies subject to application.

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



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