



SPECIFICATIONS OVERVIEW



NIR-6300 HARSH-ENVIRONMENT MOISTURE ANALYZER

SPECIFICATIONS

NIR-6300 HARSH-ENVIRONMENT 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 to 12 in (100 to 300 mm) |
| STANDARD INSTRUMENT WEIGHT ³ : | | 37 lbs (17 kg) |
| OPTICAL SAMPLING SIZE: | | 1.77 in (45 mm) |
| STANDARD OPERATING TEMPERATURES ⁴ : | | 32 to 122°F (0 to 50°C) |
| | Air Cooling | 32 to 185°F (0 to 85°C) |
| | Water Cooling | 32 to 185°F (0 to 85°C) |
| | Insulated with Cooling | 32 to 221°F (0 to 105°C) |
| ENCLOSURE: | | #316 Stainless Steel |
| | | IP67 Rated |
| | | NEMA 4X Rated |
| POWER: | | 80/260 VAC (50/60 Hz) |
| | Optional | 24 VDC |
| STANDARD INSTRUMENT I/O: | | 3 self-powered isolated 4-20mA outputs Ethernet TCP/IP Digital RS-232 Digital RS-485 or RS-422 1 Digital Input 1 Digital Output |
| PROPRIETARY INTERFACE OPTIONS: ⁵ | | PROFIBUS |
| | | PROFINET |
| | | DeviceNet |
| | | EtherNet/IP |
| WARRANTY: | | 2-year Parts and Labor |
| | | Lamp and Motor (5 years) |

¹ All accuracies subject to application

² Instrument repeatability is subject to application

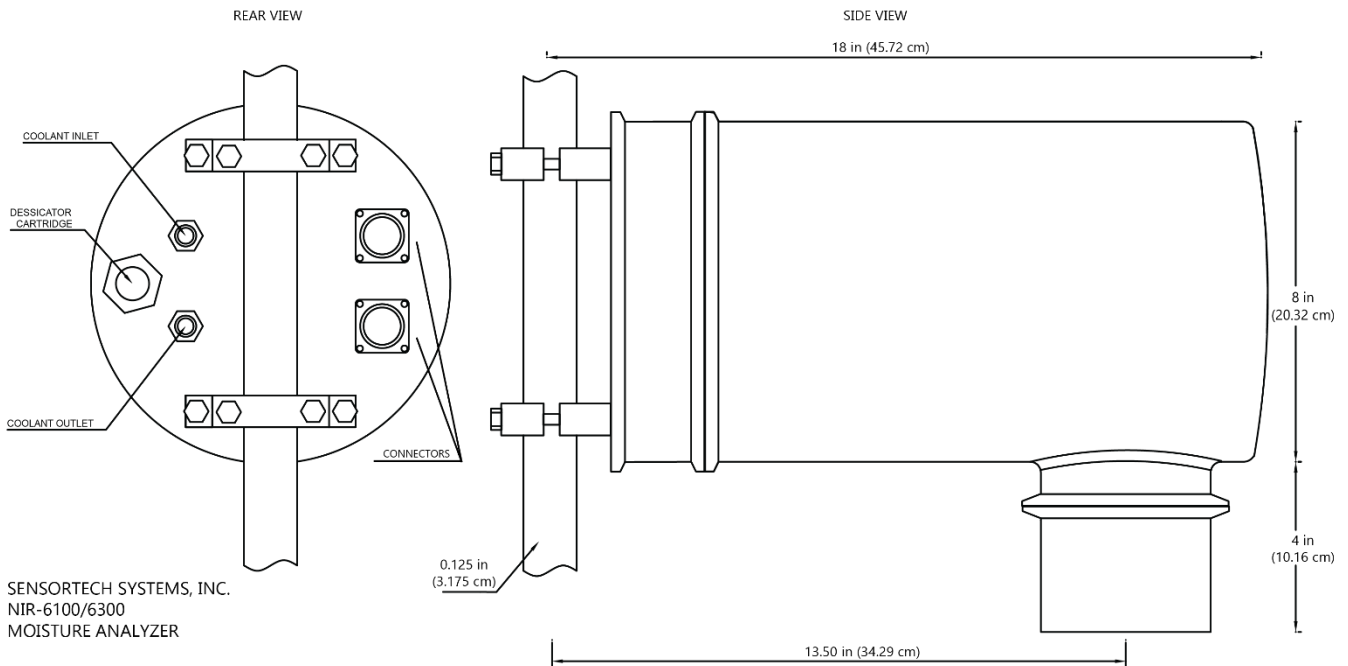
³ Non-standard enclosures are subject to application

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

Sensortech Systems, Inc. has been the trusted name in moisture measurement and control for more than 30 years. Incorporated in 1983 Sensortech has become the global leader in applied moisture measurement technologies.

Our instruments can be found in numerous industries throughout the world providing productivity enhancing benefits yielding effective process control and quality assurance. Sensortech's success is due to our leading-edge manufacturing processes, comprehensive testing and quality control standards, high performance instruments, diverse range of applications, and superior customer support.

We are a full design, development, and manufacturing facility specializing in Near Infrared Reflectance (NIR) and Radio Frequency (RF) technology. Through our expertise in both disciplines of moisture measurement technologies we apply the correct instrumentation to your process. With Sensortech you know you are getting what you need where you need it.



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