



FREQUENTLY ASKED QUESTIONS

Why Control Moisture on the Manufacturing Line?

Moisture content in most products can have an undesired effect on the quality of the final product. Controlling and adjusting the moisture content throughout the process can eliminate numerous common issues.

What Benefits are Seen with Moisture Control?

- Improved Product Quality Monitoring
- Increased Plant Efficiency
- Lower Energy Costs & Less Waste
- Precise Dryer Control
- Low Cost & High Accuracy - Instant ROI
- Low to Zero Maintenance
- Process Optimization

Why Does MoistTech Use Near-Infrared (NIR) Technology?

NIR technology is the state-of-the-art, fast, non-destructive method of measuring and controlling moisture content. It is a proven technology that allows us to measure moisture without coming into contact with the product, does not create wasted product, gives instant, accurate and repeatable results and uses a simple light source for measurement, allowing for longer use of equipment.

Where Can the Sensor be Mounted to Provide the Best Results?

The on-line versions of the sensor vary depending on the application its being utilized for, but the most common installation locations include: Belt, Screw Conveyor, Chute, Roller, Chain, Drag & Elevator Conveyors, Cyclones, Bins, Before/After Dryer, Webs, Pipelines & Pneumatic Conveyors. We suggest installing 4-16" from the product using the bracket on the back or top of the sensor

What Products Can MoistTech Measure Moisture In?

MoistTech has extensive experience in hundreds of applications including Adhesives, Chemicals, Coating, Converting, Food, Forest Products, Hemp/Cannabis, Minerals, Paper, Plastics, Renewable Energy, Textiles, Tobacco, Web & More. MoistTech offers both on-line and at-line/laboratory sensors to best suit the application needs.

What Kind of Software and Display Options Do I Need?

Each MoistTech sensor comes standard with basic Windows software and unlimited licensing, but is not required for operation. The MoistTech nits are standalone and require no software or external output device. Display options are available in addition but are not required for operation.

Can MoistTech Measure More Than Moisture?

Yes! Our sensors have the ability to measure moisture, coating weight, sheet & film thickness, oil, protein, temperature and other elements that absorb NIR. Accuracy and repeatability is in the +/- 0.01%-0.1% range, depending on the application.

What if the Product Line Moves Fast, Does the Sensor Still Work?

Yes! The sensors are unaffected by speed, material height or color and particle size.

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Which Sensors Are Intended for On-Line Use?

IR3000: non-contact moisture measurement of virtually any product or raw material

IR3000-IP67: withstand wash-downs, dusty/dirty environments, aggressive process applications

CCS3000: specifically designed for black applications such as coal & Sinter

828: specifically designed for tobacco processing

Are There Off-Line or Laboratory Units?

868: laboratory unit featuring sampling dishes for rapid moisture determination in 3 seconds or less

858: first ever moisture unit where samples are measured from the bottom up through sealed jars

How Does the Sensor Work?

Insensitive to material variations such as particle size, material height & color, our moisture sensors provide continuous, reliable readings with zero maintenance. There is a one-time calibration with a non-drift optical design allowing operational personnel to confidently make immediate process adjustments back on real-time measurements.

State of the art components allow the sensor to be installed in the most extreme conditions and also provides true data regardless of gaps and interruptions of product flow.

Which Sensor is Best for my Application?

MoistTech's flagship sensor is the IR-3000 and can be applied to many different applications. Depending on the product being manufactured, various on-line and off-line solutions are available for your moisture and coating measurement needs. Extreme heat and explosion-prone areas will require the IP67 rated enclosure; extremely dark materials such as coal require the CCS3000 and tobacco products require the model 828.

What Makes MoistTech Stand Out Over the Competition?

With over 40 years of moisture technology experience MoistTech has established the most extensive user base in the moisture management industry. Our main goal is to analyze the deficiencies of existing gauges, incorporate customer feedback & new technology available, together with our own extensive knowledge into a superior sensor design. MoistTech Corp. is recognized as the world's leader in moisture measurement for online process and laboratory moisture instrumentation using NIR (Near Infrared) technology in addition to superior customer service. We stand behind our product 100%, we will earn your business through proven results.

How Does the Sensor Connect into my Processing Line?

As a standard, there are THREE self powered 4-20mA outputs, Serial RS232/485 and Ethernet TCP/IP. Additional options available include Ethernet IP, Profinet and Profibus.

How Much Does a Sensor Cost?

MoistTech's sensors come with numerous options including: measuring multiple constituents, display options and a large number of accessories designed to make measurement more precise. Once we review your applications and specific needs, a free no obligation quote is immediately provided.

How Do I Find a Rep in My Area?

MoistTech operates worldwide with reps located in each continent ready to serve your needs.