



Moisture Register Products

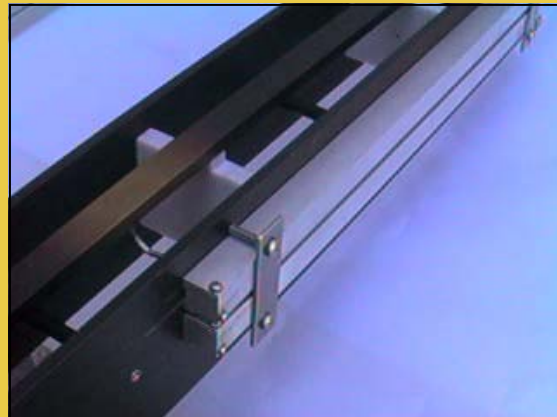
a division of AQUA Measure Instrument Co.



SMART II RF System Continuous On-Line Moisture Measure and Control System

The SMART II RF Sensor employs a radio frequency (RF) power loss technique that operates at 2 Megahertz. The Sensor projects an RF field into the sample and measures the loss or change in RF dielectric constant as affected by moisture. Thus, the System response is a measure of the total water in the RF field, which is directly related to the moisture content of the material. The RF power loss absorption principle is a Moisture Register patented feature.

For high temperature environments up to 485° F (250°C), the high temperature RF sensor can detect product moistures inside a kiln or dryer. Its unique open frame construction minimizes dirt and contaminant accumulations.



Custom High Temperature RF Sensor

RF Sensors

- 3" x 48" Open Frame High Temperature
- 4" x 36" Box Sensor
- 6" x 8" Box Sensor
- 3" x 18" Open Frame Sensor
- Special Low or High Temperature Sensors
- Shallow Penetration Depths Available

RF Probe

The RF Probe is ideal for use on powdered and granular materials. It can be used with excellent results in chutes, bins, silos, conveyor belts, or statically in buckets of product. The RF Probe is most effective when used on products that have constant density and sufficient volume to absorb the 3" diameter RF field emitted from the end of the probe. The RF probes can be provided from 6" to 48" in length and are available for high and low temperatures.

MOISTURE REGISTER PRODUCTS

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