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FP-32C Flush Mounted On-Line Moisture Sensor

Reg. U.S. Pat. Off. No. 6,249,130 B1

- ***Monitors particulate moisture content in physically hostile environments such as mixers, chutes, belt conveyors, and augers***
- ***A reliable, economical solution for many moisture monitoring problems***

The FP Series Flush Mounted On-Line Moisture Sensors are designed specifically for mechanically hostile environments and feature proven capacitive moisture sensing with a patented flat plate configuration. This allows sensing of granular materials in a mixer, an auger, or a chute.

Sensor output can be displayed on local display and/or transmitted as an analog signal for integration into a process control system. Temperature data are also readily available.



Measurement accuracy:

Particulate moisture content (typical)	±0.25%
Sample temperature	±1°F

Outputs:

Moisture	4 to 20 mA
Temperature	4 to 20 mA

Operation:

Minimum sample depth	4 inches (10 cm)
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Operational temperatures:

Sensor, ambient	-40°F to 180°F
Particulate sample	0°F to 100°F (Options up to 250° F)

Electrical requirements:

Voltage	12 to 24 V DC
Consumption	3 watts maximum

Physical Size:

Surface Dimensions (inches)	3.000 x 6.000
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Materials of Construction

Sensor Surface	Ceramic
Sensor Body	Hardcoat Anodized Aluminum

Options:

Particulate temperature sensing up to 250°F
Abrasion resistant and stainless steel options
MDS Control/Local Display, can operate 1 or 2 sensors