



FT-14 On-Line Moisture Sensor

Reg. U.S. Pat. Off. No. 6,192,750 B1

- **Accurately monitors flowing particulates for moisture content**
- **Reliable, economical solution for many moisture monitoring problems**

The FT Series On-Line Moisture Sensors are rugged devices combining proven capacitive moisture sensing technology with an innovative flow-through sample cell to provide accuracy and precision not available from any other sensor, particularly with materials not varying greatly in bulk density.

The sensor output may be displayed on an attractive panel meter and/or transmitted as an analog signal for integration into a processes control system. Temperature data are also readily available.



Measurement Accuracy:

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

Calibration:

Particulate moisture content	4 to 20 mA
Gain and offset	adjustable (DiMDI required)
Frequency	selectable (DiMDI required)

Operation:

Minimum particulate flow	150 pounds per minute
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Operational Temperatures:

Sensor, ambient	-40°F to 120°F
Particulate sample	0°F to 120°F

Outputs:

Moisture	4 to 20 mA
Temperature	4 to 20 mA

Electrical Power:

Required	12 to 36 V DC
Consumption	3 Watts maximum

Materials of Construction

Sensor surface	ceramic
Sensor body	UHMW or Tyvar
	Stainless steel wear surfaces

Options:

Moisture Display System (MDS)	operates 1 or 2 sensors
Digital Moisture Display Interface (DiMDI)	
Mounting box	
Mounting plate	