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|-----------------------------|-------------------------------------------------------------|--------------------|-----------|----------------------|
| <b>Illinois Instruments</b> | <b>Solutions in Industrial Gas Monitoring &amp; Control</b> |                    |           | Laboratory Services: |
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## Series 400 Moisture / Dewpoint Hygrometers

**Request  
a FREE  
for this  
Product**

**Illinois Instruments' Series 400** Moisture/Dew Point Hygrometers represent our latest advancement in moisture analysis. This series was designed to be customized to your application while providing a simple, yet affordable analyzer. The Series 400 Hygrometers incorporate our high quality aluminum oxide moisture sensor. This sensor provides accurate, dependable results over a wide range from  $-110^{\circ}\text{C}$  to  $+20^{\circ}\text{C}$ . The aluminum oxide sensor is maintenance-free and is the popular choice for the most demanding applications.

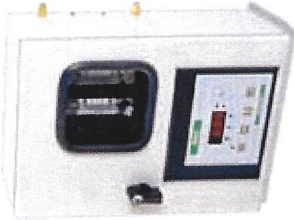


All models feature microprocessor control for stable and repeatable operation. A bright, autoranging LED display provides direct measurement output. User-adjustable alarms, scaleable analog output signals, RS232 interfacing, and process sample bypass flow systems are all optionally available.

Three different configurations add to the base **Model 410** (shown at right) to offer the choices needed to satisfy virtually all industrial environment and operational constraints.



**Model 410**  
can be used on the bench  
or Panel Mounted.



**Model 420**  
is NEMA 4X / IP66  
rated for weatherproof  
and waterproof locations.



**Model 430**  
houses one or two analyzers  
in its 4U (19 inch)  
rack mount cabinet.

#### Features:

- RS232/485 outputs
- °C, °F, and ppmv units
- Calibration traceable to NIST
- Remote sensors available
- Fast response and recovery from saturation

#### Applications:

- Industrial Specialty Gases
- Heat Treating Furnaces
- Air Dryers
- Natural Gas

*Stripped down versions*  
410 - \$5643  
810 - \$4295  
830 - \$4595  
the 830 is basically an  
810 in a 19" rack. The  
other side can house  
another 810 or a 410