

GLOBAL SENSORS DATAWATCH  
ELITE PRODUCT LINE

## Top Quality and Accuracy in Humidity Logging

DataWatch Elite provides the best of the best with this rugged and long life humidity logging unit.

Humidity accuracy is a difficult thing to achieve. It takes a real dedication to proper procedures, understanding of the characteristics of the sensors, and good equipment for calibration.

DataWatch Elite brings it all. If you want to trust your data, there are very few choices. Among these choices, we believe that this instrument should be at the top of the list.

The most significant applications for DataWatch Elite units are in warehousing, pharmaceutical storage cabinets and rooms, and museum and archival storage and shipping.

Where value can be compromised by humidity, be sure you get it right...get DataWatch Elite.

DataWatch Elite Humidity Logger  
\$299.00 each.

Check our website for interface kits, software updates and accessories. We offer dust protection caps, as well.

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# Global Sensors DataWatch® Elite Humidity Logger

Please call us about calibration of humidity instruments.

Humidity sensors have a limited "accuracy life" due to various factors. We provide cost effective calibration updates.

Easy visibility of confirmation of running and alarm conditions. Flashing LED lights show through case.



Protective cage surrounds the high sensitivity humidity element. Both temperature and humidity sensors are housed here.

Display shows both temperature and humidity, along with a complete set of summary data, including battery condition. Alarm settings for time under and over are displayed, along with other key data items.

Unit starts with a magnet swipe here, where an internal magnet switch is activated. Unit can also be started with a date-time delayed start based on software configuration commands. Unit has the feature of "prestart" fail-safe logging (records temperature data even if not started).

- EMC Compliance: tested and complies with EC EMC directives (EN 50081-1:1992 & EN 61000-6-1:2001)
- FDA CFR21 Part 11 Competence
- Logger and Software systems are secure by encryption and optional passwords
- Meets all RoHS international standards for compliance - documents available

**PRODUCT SPECIFICATIONS**

PS#78

Temperature Range	-40°C to +85°C (-40°F to +185°F)
Temperature Resolution	0.1°C
Temperature Accuracy	±0.35°C (-40°C to 0°C) - ±0.63°F (-40°F to +32°F) ±0.25°C (0°C to +70°C) - ±0.45°F (+32°F to +158°F)
Humidity Resolution	0.1% RH Relative
Humidity Accuracy	Humidity is resolved to at least ±3% R.H. over the entire range. Under most circumstances, this reading accuracy will be better.
Humidity and temperature normal operating range	Humidity accuracy is maintained to stated specifications in the Temperature Range specified (above). We do not recommend usage outside this range, as restoration of normal function may not proceed on a predictable time course
Sensor Response Time	T90 of less than 20 minutes in moving air
Stored Time-Temperature Readings	32,000 readings (time-temperature-humidity data. points)
Time Accuracy	Average 60 Seconds per Month or better
Logging Interval	Software adjustable, 1 sec to 10 days
Battery Type and Life	3V ½AA Lithium battery - Three years of use
Dimensions	8.6cm x 5.5cm x 0.86cm (L x W x H) 5.5" x 4.5" x 2.67"
Unit Weight	35 gm (0.64 lbs   or 10.26 oz)
Case Dust and Water Resistance	IP65 (Note: The humidity sensor port must be protected in some way to achieve this resistance level for the entire instrument).
Dimensions & Weight	76 mm diameter x 46 mm depth (3.0" x 1.8") 75 g (includes battery)
Alerts	Preset absolute max and min, humidity over and under low and high presets

