

MPRF Humidity Data Logger

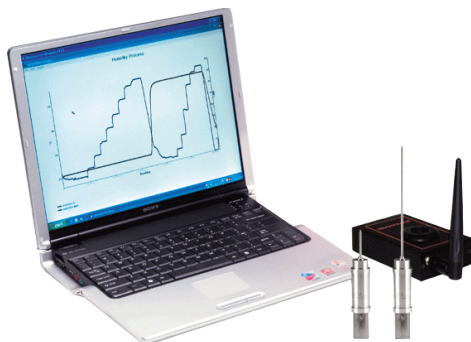
For processes that are sensitive to humidity, even small changes can dramatically affect product production, storage and shipping. To achieve optimal conditions, you need precise humidity data. With the MPRF Humidity Data Logger, you get it.

- Wireless Humidity Data Loggers
- Real-Time Data
- Accurate Across Full RH Range
- 8,000 Data Points
- FDA 21 CFR Part 11 Compliant
- Intrinsically Safe

Smaller is better, and more accurate

The closer the logger is to the product, the more valuable the reading. That's one reason the MPRF Humidity Logger is so small. Rather than mounting externally like most loggers, our wireless data logger easily fits inside a variety of packages, like an ethylene oxide ER pack during sterilization, to maximize accuracy. Memory for up to 8,000 data points – 4,000 each for humidity and temperature readings – provides exceptional detail even for longer processes. And since it is wireless and operates at low voltage, it is intrinsically safe in hazardous environments.

Part of a total solution, the MPRF Humidity Logger works with DataTrace RF's, highly secure, FDA 21 CFR Part 11 compliant DT Pro software. No system gives you more flexibility. For example, you can synchronize multiple loggers (in any combination of types) to one clock.



- Program loggers in seconds
- View real-time data collection
- Customize reports
- Automatically download data and create graphs
- Compare data from up to ten loggers on one page
- Password protected access
- Electronic signatures
- Automatic documentation

Product Specifications

Operating Temperature:

10°C to +85°C (50°F to +185°F)

Temperature Accuracy:

± 0.1°C (±.2°F)

Operating Humidity:

0% to 100% RH (non-condensing)

Humidity Accuracy:

±2% RH non-condensing

(±5% RH in EtO)

Wireless Range:

100 feet (30 meters) Line of Sight

Radio Frequency:

2.4 GHz ISM Band

Physical

Size:

Width: 0.89 in (22mm)

Length: 4.62 in (117mm)

Weight:

3.4 oz (96 grams)

Material:

316 stainless steel and ULTEM

Mechanical

Calibration:

Factory calibrated (NIST traceable) Field Calibration

Battery Type:

1/2 AA Lithium (field-replaceable)

Battery Life:

6 months to 1 year (depending on usage)

Clock accuracy:

10 seconds per 24 hours (25°C)

Certifications:

ATEX (for intrinsic safety)

FCC Class B digital device (part 15 compliant)

Monitoring Parameters

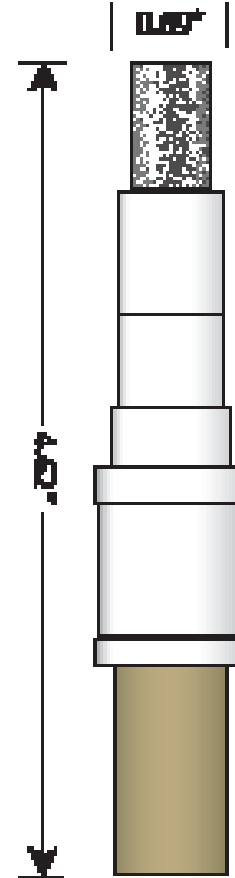
Memory:

4,000 time/temperature/humidity observations and 8,000 time/humidity observations

Sample rates:

Operator programmable

- 5 sec. to 10 min. interval with radio
- 1 sec. to 10 min. interval without radio



Complete Monitoring System

All MPRF Loggers require an Interface/Host System, which includes robust DT Pro software, an interface/host module and cable.

The DT Pro software operates with any combination and number (up to 250) of DataTrace Temperature, Humidity and Pressure Loggers. So instead of dealing with the expense and confusion of disparate monitoring systems, users can validate, monitor, log and analyze data for multiple process parameters using a single integrated, powerful and complete solution.

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21 CFR Part 11 Compliant