DATATRACE® RF

Full-range RF Humidity and Temperature Data Logger provides real time process data

For processes that are sensitive to humidity, even small changes can dramatically affect product production, storage and shipping – impacting everything from production time to product quality to cost. To achieve optimal conditions, you need precise humidity data. With the DataTrace® RF Humidity Data Logger, you get it.

The highly accurate MPRF Humidity Logger monitors RH across the full range, from 0% to 100% at temperatures from 10°C to 85°C (50°F to185°F). To ensure the best accuracy in the industry, we calibrate humidity for our MPRF logger at 25°C and 55°C. While food processes such as drying pasta certainly benefit from this high standard, this is especially important to critical pharmaceutical applications such as Ethylene Oxide sterilization, microbial/biological incubation, or drug product stability studies.

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 DTRF 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. Automatically download data and create graphs. Customize reports. Compare data from up to ten loggers on one page. And secure your work with password access, electronic signatures and automatic documentation for audit trails. It's a perfect fit.

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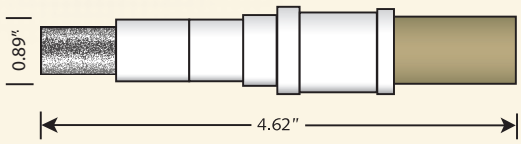
DataTrace® RF

Product Specifications

	MPRF Humidity Logger
Operating temperatures	10°C to +85°C (50°F to +185°F)
Temperature accuracy	± 0.1°C (± 0.2°F)
Operating humidity	0 to 100% rH (non-condensing)
Humidity accuracy	± 2% rH (non-condensing)
Wireless Range	100 feet (30 meters) Line of Sight
Radio Frequency	2.4 GHz range 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
Sample rates	Operator programmable • 5 sec. to 10 min. interval with radio • 1 sec. to 10 min. interval without radio



Minimum System Requirements

- Pentium 4CPU – 2.0 GHz
- Windows XP operating system
- 512 MB RAM
- 100 MB of free hard disk space
- 1 free USB port
- 1 CD ROM drive

Complete monitoring system

All MPRF Loggers require an Interface/Host System, which includes robust DTRF software, an interface/host module and cable. The DTRF 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. This makes DataTrace RF unique in the industry.

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