

Monitor any parameter on a 4-20 mA circuit with ease

Monitoring your manufacturing process or equipment requires flexibility. You need a data logging system that is capable of measuring any parameter at any time with a high degree of accuracy and reliability.

The DataTrace Micropack III (MPIII) 4-20 mA Tracer is the solution to your flexible data logging needs. Now, you can measure and record any parameter with ease using the DataTrace 4-20 mA Tracer, whether it is in a manufacturing process or on a piece of laboratory equipment.

Unmatched flexibility and ease of use

Unique to the Micropack III 4-20 mA data logger is its ease of use. Simply install the docking station permanently in your standard 4-20 mA circuit. Then, anytime you need to log the data on the loop, program the Tracer, plug it into the docking station and start recording. There are no wires to install and no need to break your 4-20 mA circuit. The loop continuity is maintained whether the Tracer is installed, or not.

The Micropack III 4-20 mA data logger can be utilized to record almost any parameter. And because it works with the same software as other DataTrace Micropack III Tracers, users can employ one system to analyze and report on multiple process parameters individually or together. For greater accuracy, all Micropack III sensors being used, regardless of what each is measuring, can be synchronized to the same clock – something disparate systems can't offer.

Part of DataTrace's comprehensive solution, the wireless MPIII 4-20 mA Tracer requires minimal training to use. Features like rapid IR communication and batch programming in just seconds make setup fast and simple. At the heart of the solution is DataTrace's intuitive and highly secure FDA 21CFR Part 11 compliant DataTrace for Windows software. You can't beat it for flexibility and ease of use. Save time and money with advanced reporting and graphing capability. Use password protected access, electronic signatures and automatic documentation for audit trails to streamline your work. Even synchronize multiple Tracers (in any combination of Tracer types) to the same program.

Business benefits

- Ø Accurate data to help you optimize food, pharmaceutical and other manufacturing processes to improve products, ensure quality, and save time and money
- Ø Highly precise measurements over a wide range of your process applications to improve control and ensure your products' safety and integrity
- Ø Intuitive, easy-to-use software improves your ability to meet regulatory requirements, secure data, and simplify reporting requirements
- Ø Collect up to 8,000 NIST-traceable data points to obtain more precise information on your process.
- Ø A single, integrated solution which can be extended to simplify data logging of an array of process parameters to save you time and money
- Ø Expert, single-source support from the company that originated high-quality wireless data logging

DataTrace MPIII 4-20 mA Tracer

Collect and log accurate data for any parameter in industries and situations, such as:

- Ø Ethylene Oxide concentration in medical device sterilization
- Ø CO₂ concentration in foods and beverage
- Ø CO₂ concentration in incubators or other chambers for validation studies and quality control
- Ø pH in fermentation operations and food applications
- Ø Air speed in drying or wind tunnel applications



Specifications

Operating Parameters

Measurement Range
0 to 24 mA

Measurement Accuracy
+/- 0.01 mA

System Resistance
Docking Station Only – 200 Ω
With Tracer Installed – 100 Ω

Operating environment
0°C (32°F) to 100°C (212°F)
Non-condensing atmosphere
Non-immersible, not intended for flammable or corrosive environments

Physical

Size
Width: 0.7 in. (18 mm) x Height: 2.5 in. (63 mm)
(Tracer only)

Material
316 stainless steel, PEEK, gold, and sapphire IR windows

Docking Station
Standard 50mm DIN Rail

Mechanical

Battery Type
Lithium (field-replaceable)

Clock Accuracy
26 seconds per 24 hours

Accessories
Docking Station (DIN Rail adapter)
Wire lead adaptor

Monitoring Parameters

Memory
8000 mA measurements

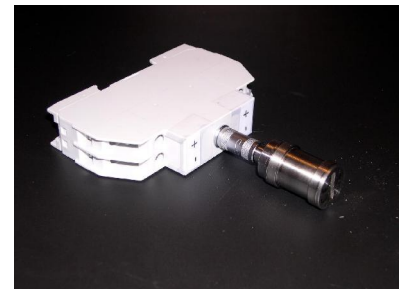
Sample Rates
Operator programmable
(1sec. to 18 hr. intervals)

Minimum System Requirements

PC Requirements
Pentium 133 MHz
Windows 9x, ME, NT4.0, 2000,
or XP operating system
32 MB RAM
20 MB of free hard disk space
1 free serial or USB port
(USB serial adapter must be pre-installed)
CD ROM drive, mouse



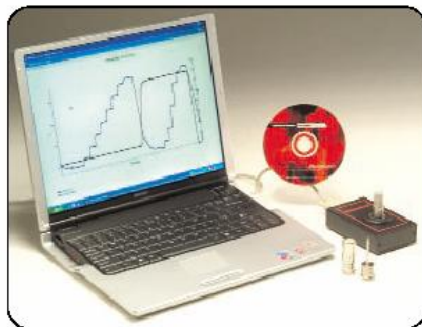
Docking Station and wire lead adaptor



Tracer installed in Docking

You can't beat the system

All DataTrace Tracers require a **PC Interface System**, which includes robust DataTrace for Windows software, an interface module and a serial cable. The DTW software operates with any combination and number of DataTrace Temperature, HiTemp, HiTemp EXT, Humidity, Pressure and 4–20mA Tracers. So instead of dealing with the expense and confusion of disparate monitoring systems, users can **monitor, log and analyze data for multiple process parameters using a single integrated, powerful and complete solution. This makes DataTrace unique in the industry.**



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Form

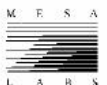
21 CFR Part 11
Compliant



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