

# MPIII Pressure Data Logger

Part of DataTrace's comprehensive solution, the wireless MPIII Pressure Data Logger requires minimal training to use. Features like IR communication and batch programming in just seconds make setup fast and simple. And it can collect up to 16,000 data points – 8,000 each for pressure and temperature readings - allowing for exceptional detail.

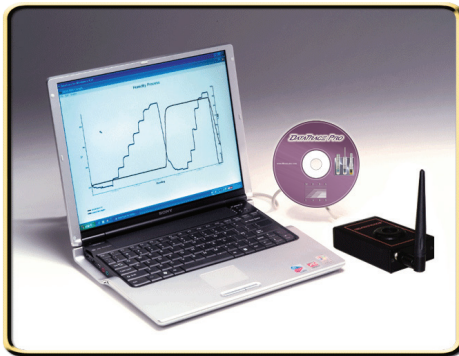
- Wireless Pressure Data Loggers
- 16,000 NIST-Traceable Data Points
- Compact Size (1.9" x 0.7")
- FDA 21 CFR Part 11 Compliant
- Intrinsically Safe



## Exceptional performance under pressure

With a body measuring just 1.9 inches long, MPIII Pressure Data Loggers fit inside containers to get pressure readings from 0 PSIA (0 BAR) to 72.5 PSIA (5 BAR) with exceptional accuracy of  $\pm 0.45$  PSIA ( $\pm 0.03$  BAR) at temperatures ranging from 25°C (77°F) to 140°C (284°F). With their wide range and high precision, MPIII Pressure Data Loggers are not only well suited to canning and pouch processes, but an array of applications where pressure affects products and quality.

- Foods, canning and newer cooking pouches
- Beverages, including wine and soda production
- Pharmaceuticals, including autoclaves and EtO sterilization
- Monitoring and testing compressed gas systems
- Pressurized process reactors and streams



At the heart of the solution is DataTrace's intuitive and highly secure, FDA 21 CFR Part 11 compliant DataTrace Pro software. You can't beat it for flexibility and ease. Create reports in any format you want. Save time and money with automatic downloads and graphs. Use password protected access, electronic signatures and automatic documentation for audit trails to streamline your work. Even synchronize multiple Loggers (in any combination of Logger types) to the same program.

# MP III Pressure Data Logger

## Product Specifications

**Operating Temperature:**

+25°C to +140°C (+77°F to +284°F)

**Temperature Accuracy:**

± 0.25°C (± 0.45°F)

**Operating Pressure:**

0 PSIA (0 BAR) to 72.5 PSIA (5 BAR)

**Pressure Accuracy:**

± 0.45 PSIA (± 0.03 BAR)

**Physical****Size:**

Width: 0.7 in (18mm)

Length: 1.9 in (48mm)

**Weight:**

1.9 oz (55 grams)

**Material:**

316 stainless steel; Sapphire IR windows

**Sensor Elements**

**Temperature:** Thermistor

**Pressure:** Strain gauge bridge

**Mechanical****Media:**

Compatible with air and fluids, including many corrosive liquids

**Calibration:**

Factory calibrated (NIST traceable)

**Battery Type:**

Lithium (field-replaceable)

**Clock accuracy:**

26 seconds per 24 hours

**Certifications:**

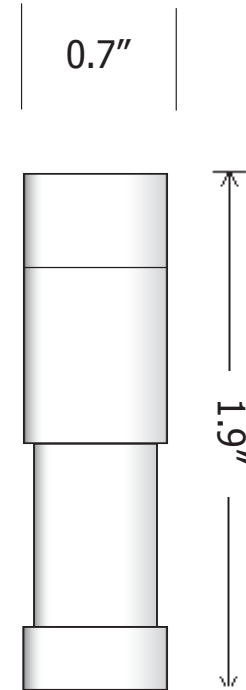
ATEX (for intrinsic safety) - under review - to be certified soon

**Monitoring Parameters****Memory:**

8,000 time/temperature observations and 8,000 time/pressure observations

**Sample rates:**

Operator programmable 1 sec. to 18 hr. intervals



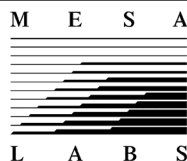
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21 CFR Part 11 Compliant

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