

MPIII Pressure Data Logger

DataTrace[®] MPIII Micropack III 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.

- 10 Point Pressure NIST Traceable Calibration
- 14 Point Temp NIST Traceable Calibration
- Compact Size (1.9" x 0.7")
- FDA 21 CFR Part 11 Compliant Software



MPIII Pressure Data
Logger

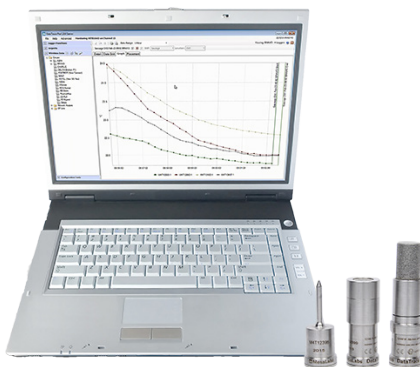
Exceptional performance under pressure

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 ± 0.45 PSIA (± 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

DT Pro Software

DataTrace's highly secure, FDA 21 CFR Part 11 compliant DT Pro software offers reports in any format you require. Password protected access, electronic signatures and automatic documentation for audit trails streamline your work. You can even synchronize multiple loggers (in any combination of logger types) to the same clock; something disparate systems can't do.



- Customize reports
- Password protected access
- Electronic signatures
- Automatic documentation

Product Specifications

Range

Operating Temperature: +25°C to +140°C (+77°F to +284°F)
Temperature Accuracy: ± 0.25°C (± 0.45°F)
Resolution: 0.001 PSI
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

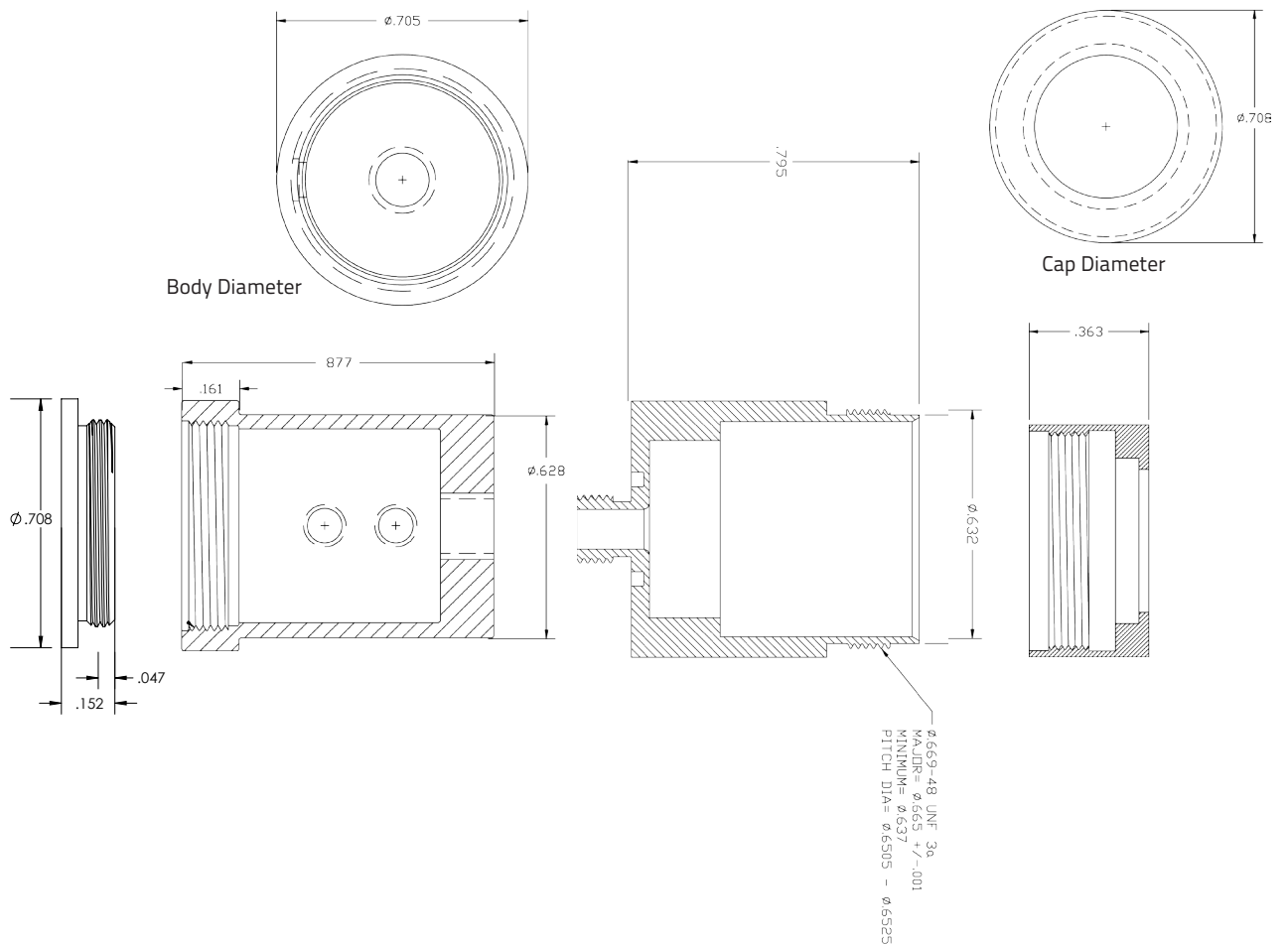
Mechanical

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 1 hr. intervals

MPIII Pressure Logger



All specifications subject to change without notice. DataTrace is a registered trademark and Micropack III is a trademark of Mesa Laboratories, Inc. All other trademarks and registered trademarks are the sole property of their respective owners.

© Copyright 2015 Mesa Laboratories, Inc.



21 CFR Part 11 Compliant