

MPIII Temperature Data Logger

DataTrace® MPIII

Micropack III Temperature Data Logger

From chilling, freezing and room temperature to pasteurization, EtO sterilization and depyrogenation, MPIII Temp, HiTemp and HiTemp EXT Loggers provide accurate data over a wide range with remarkable ease. Their small size increases versatility and precision by allowing you to position Loggers very near or inside monitored items.

- 17 Point Temp NIST Traceable Calibration
- FDA 21 CFR Part 11 Compliant Software
- Intrinsically Safe



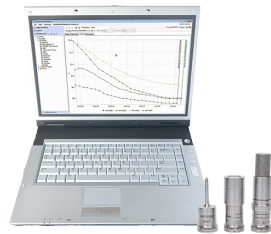
MPIII Temp Datalogger

DataTrace makes it easy to monitor processes across a spectrum of temperatures in industries and situations **such as:**

- Pharmaceuticals
- Food and beverages
- Medical
- Sterilizer validation
- Thermal processing for electronic, chemical, aerospace and other industries
- Process equipment and sterilization
- Product handling and storage
- Textile manufacturing

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

Features / Options	Temp Logger, Dual Temp Logger	HiTemp Logger	Ext HiTemp Logger
<i>Probe Type</i>	Rigid, Bendable or Flex	Flex	Bendable
<i>Rigid Probe Lengths</i>	1 - 5", custom	N/A	N/A
<i>Flexible Probe Types</i>	Silicone, Stainless Steel	Stainless Steel	N/A
<i>Flexible Probe Tips</i>	Needle, Taper (Silicone Only)	Needle	N/A
<i>Flexible Probe Lengths</i>	8", 14", 25", custom	8", 14", custom	N/A
<i>Bendable Probe Lengths</i>	10", 14", 25", custom	N/A	10", 14", 25", custom
<i>Bendable Probe Tips</i>	Round	N/A	Round
<i>Sensor Element</i>	Thermistor or RTD	Thermistor only	RTD only
<i>Accessories</i>	Consult your Rep	Consult your Rep	Consult your Rep

*HiTemp & HiTemp EXT Loggers require a Thermal Pack for use above +140°C.

**Size and weight are shown for Logger body only.

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

MPIII Temperature Data Logger

Product Specifications

Size: Width: 0.7 in. (18mm) Length: 0.8 in. (20mm)**

Weight: 0.5 oz. (15 grams)**

Material: 316 stainless steel; Sapphire IR windows

Memory: 16,000 time/temperature observations

Sample rates: Operator programmable 1 sec. to 1 hr. intervals

Operating Temperatures:

MPIII Temp and MPIII Dual Temp: -20°C (-4°F) to +140°C (+284°F)

MPIII HiTemp*: +100°C (+212°F) to +360°C (+680°F) w/Thermal Pack

MPIII HiTemp EXT*: -20°C (-4°F) to +400°C (+752°F) w/Thermal Pack

Resolution: 0.001°C

Temperature Accuracy:

MPIII Temp/Dual: $\pm 0.1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)

MPIII HiTemp*: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$)

MPIII HiTemp EXT*: $\pm 0.25^{\circ}\text{C}$ ($\pm 0.45^{\circ}\text{F}$); $<200^{\circ}\text{C}$

(392°F) $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$); $\geq 200^{\circ}\text{C}$ (392°F)

Operating Pressure: For all 3 models: Up to 10 Bar

Calibration: Factory calibrated (NIST traceable)

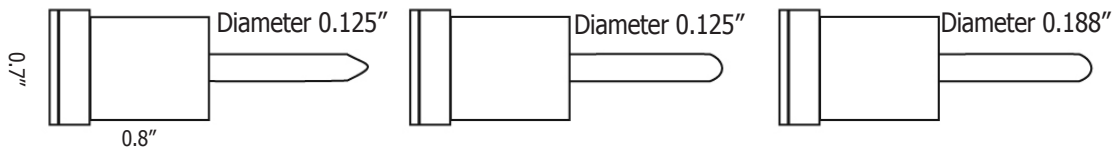
Field calibration (MPIII Temp/Dual only)

Battery Type: Lithium (field-replaceable)

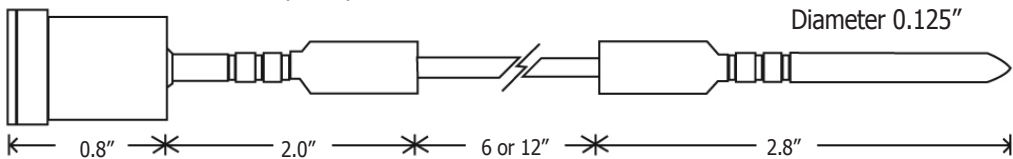
Clock accuracy: 26 seconds per 24 hours

Certifications: ATEX (for intrinsic safety)

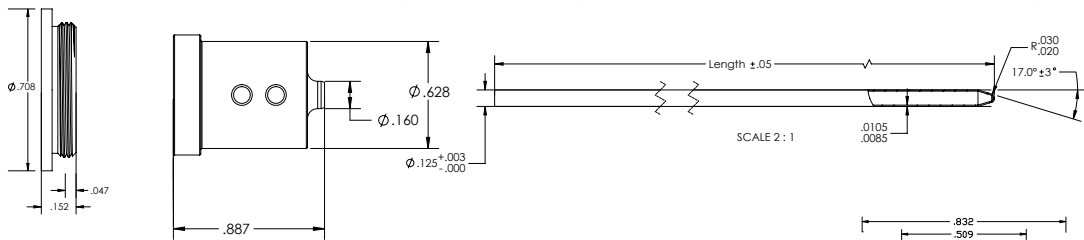
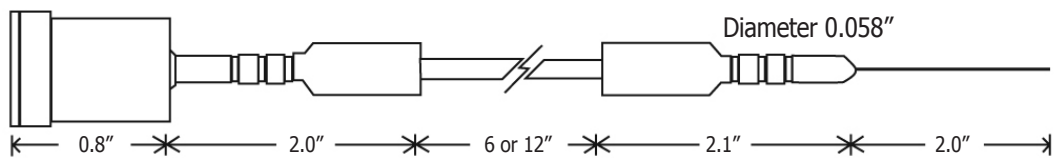
MPIII Rigid with Taper Tip and Optional Bullet Tips



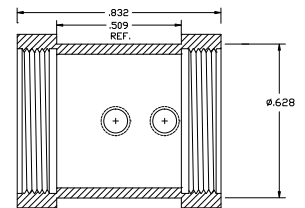
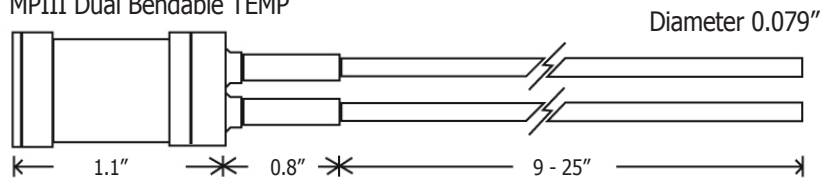
MPIII Silicone Flex with Taper Tip



MPIII Silicone Flex with Needle Tip



MPIII Dual Bendable TEMP



MPIII Dual Rigid and Stainless Steel Flex

