

# MPIII Temperature Data Logger

## DataTrace<sup>®</sup> 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

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

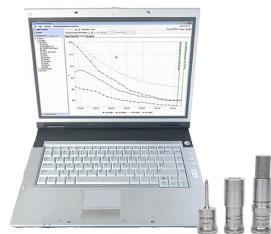
- Pharmaceuticals
- Food and beverages
- Medical
- Sterilizer validation
- Thermal processing for electronic, chemical, aerospace and other industries
- Process equipment and sterilization
- Product handling and storage
- Textile manufacturing



MPIII Temp Datalogger

### 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
<i>Probe Type</i>	Rigid, Bendable or Flex
<i>Rigid Probe Lengths</i>	1 - 5", custom
<i>Flexible Probe Types</i>	Silicone, Stainless Steel
<i>Flexible Probe Tips</i>	Needle, Taper (Silicone Only)
<i>Flexible Probe Lengths</i>	8", 14", 25", custom
<i>Bendable Probe Lengths</i>	10", 14", 25", custom
<i>Bendable Probe Tips</i>	Round
<i>Sensor Element</i>	Thermistor or RTD

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

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

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21 CFR Part 11 Compliant

# MPIII Temperature Data Logger

## Product Specifications

**Size:** Width: 0.7 in. (18mm) Length: 0.9 in. (23mm)\*\*

**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:  $\pm 0.1^\circ\text{C}$  ( $\pm 0.2^\circ\text{F}$ )

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

MPIII HiTemp EXT\*:  $\pm 0.25^\circ\text{C}$  ( $\pm 0.45^\circ\text{F}$ );  $<200^\circ\text{C}$  ( $392^\circ\text{F}$ )  $\pm 0.5^\circ\text{C}$  ( $\pm 0.9^\circ\text{F}$ );  $\geq 200^\circ\text{C}$  ( $392^\circ\text{F}$ )

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

**Calibration:** Factory calibrated (NIST traceable)

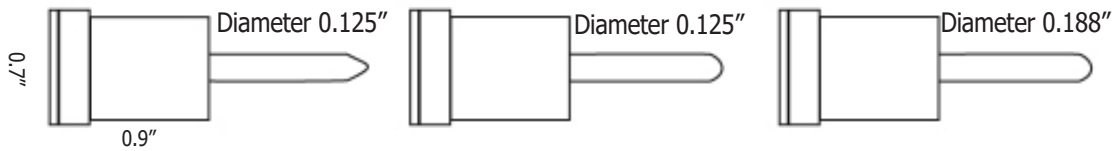
Field calibration (MPIII Temp/Dual only)

**Battery Type:** Lithium (field-replaceable)

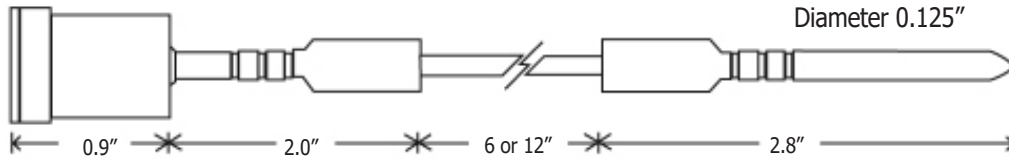
**Clock accuracy:** 26 seconds per 24 hours

**Certifications:** ATEX (for intrinsic safety)

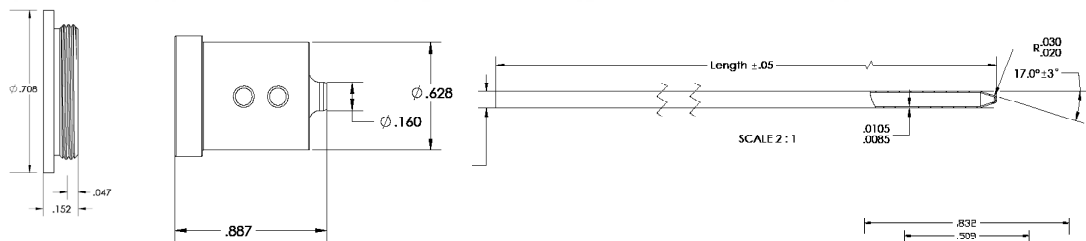
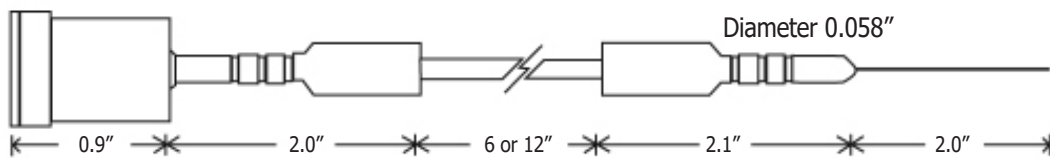
### MPIII Rigid with Taper Tip and Optional Bullet Tips



### MPIII Silicone Flex with Taper Tip



### MPIII Silicone Flex with Needle Tip



### MPIII Dual Bendable TEMP

