Mesa introduces its new Micro Flex logger for use in validating surface temperature environments. Its dual probe design provides capability to measure surface and vial temp with one logger or measure two vials or two surface temperatures at one time.

Used in validation of shelf temperatures in:

- Lyophilization (freeze-drying)
- Shelf Temperature Profiling
- Vial Temperature Measurement
- Stability Chambers

**Not Just a Lyophilization Logger**

DataTrace Micro Flex offers:

- Faster temperature response time
- Shielded, Ultra-flexible silicone probe
- Customized solutions

**Logger Includes:**

- Two 2mm flexible probes*
- Standard temperature battery (-40°C to 140°C)
- Low temperature battery (-80°C to -40°C)
- 1 shelf temperature puck attachment

*Specifications on reverse
Product Specifications**

**Operation**
- Operating Temperature: -80 to 140°C
- Temperature Accuracy: 0.2°C (-40°C to 140°C), 0.35°C (-80°C to -40°C)
- Resolution: 0.001°C
- Operating Pressure: Up to 10 BAR
- Wireless Range: 100 feet (30 meters) Line of Sight
- Radio Frequency: 2.4 GHz ISM Band

**Physical**
- **Size:**
  - Width: 0.91 in (23.2mm)
  - Length: 3.7 in (94mm)**
- **Weight:** 6.0 oz (170 grams)**
- **Material:** 316 stainless steel and ULTEM or PCTFE
- **Probe/Hub:**
  - Flex Cable Standard Lengths: 18 in, 24 in, 30 in, 36 in
  - Tip Length: 2 in (51mm)
  - Tip Diameter: 2mm

**Mechanical**
- **Calibration:** Factory calibrated (NIST traceable) or Field Calibration
- **Battery Type:** AA Lithium (field-replaceable)
- **Battery Life:** 6 months to 1 year (depending on usage)
- **Battery Weight:**
  - Standard Temperature Battery: 0.6 oz (17 grams)
  - Low Temperature Battery: 0.67 oz (19 grams)
- **Clock accuracy:** 10 seconds per 24 hours (25°C)
- **Certifications:**
  - ATEX (for intrinsic safety)
  - FCC Class B digital device (part 15 compliant)

**Monitoring Parameters**
- **Memory:**
  - 8,192 time/temperature observations or 16,384 observations in compressed data mode.
- **Sample rates:**
  - Operator programmable
  - 5 sec. to 1 hr interval with radio
  - 1 sec. to 1 hr interval without radio

*Operation below -40°C requires a special battery. The low-temp battery provided by Mesa should be used in this operating range. When the logger is used above 0°C, the standard battery can be used. Please note, the standard battery can be used across the full operating range of the logger, but will have severely degraded performance at temperatures below -40°C.

**Body only.

***Spec drawings in inches

© Copyright 2016 Mesa Laboratories, Inc.

21 CFR Part 11 Compliant