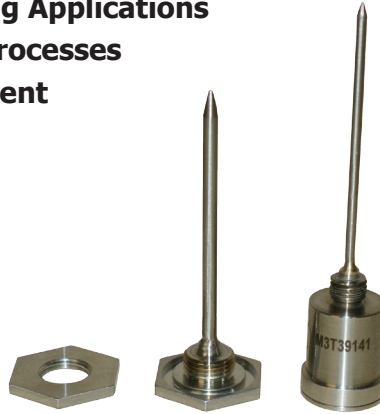# Mesa announces the addition of the DataTrace MPIII Thermowell logger!

The Thermowell allows for addition/removal of the logger without breaking the seal! This logger is great for monitoring temperatures in a sealed container such as a can or bottle where it is critical that the seal not be broken during testing.

- **Ideal for Retort and Cooking Applications**
- **Compatible with Vacuum Processes**
- **Minimal Product Displacement**

Keeps the body of the data logger out of the container during the process.
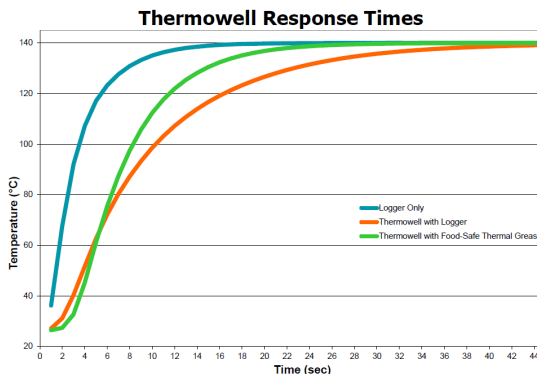
Ideally suited for:
- **Food/Dairy Products**
- **Steam-In-Place (SIP)**
- **Cleaning-In-Place (CIP)**

The Thermowell can be welded directly into piping allowing the logger to be easily removed and replaced when desired without shutting down a process.

Thermowell Response Time Data

Response Time: "T90" is the time it takes for the test logger to reach 90% of the change in temperature. The temperature response stimulus applied was from ambient 25°C to 140.0±0.1°C.

Thermowell Response Times

Logger Only
Thermowell with Logger
Thermowell with Food-Safe Thermal Grease

Temperature (°C)

Time (sec)

Thermowell is a perfect fit for an SIP or CIP system at the typical monitor points. Made from the same durable materials you've come to expect from DataTrace, this MPIII logger is no different and has threads at the base of the probe to allow it to be easily attached and detached from the Thermowell at any time without breaking the seal!

Call your Sales Representatives today for a quote!

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For more information, visit www.cik-solutions.com or contact us at info@cik-solutions.com

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Operating Temperatures

-20°C (-4°F) to +140°C (+284°F)

Temperature Accuracy:
± 0.1°C (±.2°F)

Operating Pressure: Up to 10 Bar

Physical
Weight: 0.5 oz. (15 grams)*
Material: 316 stainless steel; Sapphire IR windows

Monitoring Parameters
Memory: 16,000 time/temperature observations
Sample rates: Operator programmable 1 sec. to 18 hr. intervals

Mechanical
Calibration:
Factory calibrated (NIST traceable)
Field calibration
Battery Type: Lithium (field-replaceable)
Clock accuracy: 26 seconds per 24 hours
Certifications: ATEX (for intrinsic safety)

*Size and weight are shown for logger body only.

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For more information, visit
www.cik-solutions.com
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info@cik-solutions.com

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