

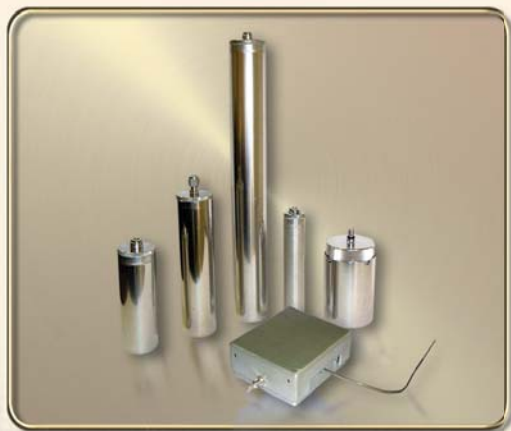
DATA TRACE[®]

Protect your DataTrace MP III Data Loggers from thermal damage and increase the flexibility of your investment.

If the process you want to monitor reaches temperatures above 140°C, the upper operating limit of DataTrace Micropack III data loggers, you need to thermally protect the electronics and battery from damage. For these applications you can choose from 6 different DataTrace Thermal Packs, depending on your particular application. These thermal barriers are designed to insulate the logger body from the high temperatures, while allowing the temperature probe to extend out into the environment. All of the barriers work well in a dry environment and, all except the Model 3080, will work in liquid environments, such as hot oil baths.

In addition to high temperature applications, the thermal barriers will protect the data logger battery in ultra-low temperature environments.

Several DataTrace Thermal Packs are available, depending on your particular needs.



Model 3000 - Moderate Temperature

Designed for either dry or liquid environments, the Model 3000 is an economical choice to protect a single logger in moderate temperature environments.

Model 3080 – Multi-Logger

With the lowest cost per measurement channel, the Model 3080 is designed to protect 3 Micropack III data loggers in moderate temperature environments.

Models 3140, 3200 & 3400 – High Temperature

For the ultimate in protection, choose from 3 different 2 inch diameter vacuum Dewar thermal barriers. The largest, Model 3400, will protect your loggers for several hours at temperatures above 350°C.

Model 3175 – Slim Line

If space is at a premium, such as in depyrogenation ovens, the 1.2 inch diameter Model 3175 vacuum Dewar is an excellent choice for the ultimate protection of your Micropack III data loggers.

Business benefits

- Extend the use of your DataTrace data loggers to high temperature processes, getting more from your capital investment.
- Eliminate the need for unstable and cumbersome thermocouple-based measurement systems, saving you time and money.
- Monitor additional manufacturing processes, optimizing your productivity.

Food Applications

- Baking oven monitoring
- Frying oil temperature

Pharmaceutical Applications

- Depyrogenation ovens
- Ultra-low temperature freezers

Industrial Applications

- Textile and carpet processing
- Powder painting monitoring



Thermal Packs

Model 3000

Size: Cylinder, 75 mm D 120 mm L
 Loggers: (1) MPIII
 Insulation: High Temperature Teflon
 Use: Dry or Liquid

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	59 min.
350°C/662°F	42 min.
400°C/752°F	38 min.

Model 3080

Size: Rectangular Box.
 95 mm X 82 mm X 46 mm
 Loggers: (3) MPIII
 Insulation: High Temp. Teflon, Carbon
 Use: Dry Only

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	36 min.
350°C/662°F	27 min.
400°C/752°F	24 min.

Model 3140

Size: Cylinder, 50 mm D 140 mm L
 Loggers: (1) MPIII
 Insulation: Vacuum Dewar, Teflon
 Use: Dry or Liquid

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	109 min.
350°C/662°F	77 min.
400°C/752°F	68 min.

Model 3175

Size: Cylinder, 30 mm D 175 mm L
 Loggers: (1) MPIII
 Insulation: Vacuum Dewar, Teflon
 Use: Dry or Liquid

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	93 min.
350°C/662°F	61 min.
400°C/752°F	53 min.

Model 3200

Size: Cylinder, 50 mm D 200 mm L
 Loggers: (1) MPIII
 Insulation: Vacuum Dewar, Teflon
 Use: Dry or Liquid

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	195 min.
350°C/662°F	135 min.
400°C/752°F	120 min.

Model 3400

Size: Cylinder, 50 mm D 400 mm L
 Loggers: (1) MPIII
 Insulation: Vacuum Dewar, Teflon
 Use: Dry or Liquid

Typical Dry Performance:*

Temperature	Maximum Time
250°C/482°F	380 min.
350°C/662°F	240 min.
400°C/752°F	205 min.



NOTE: The upper temperature limit of all Thermal Packs is 400°C.

*MPIII Logger(s) installed. Program: Initial 25°C for 1 minute, ramp to temp. in 1 min., dwell at set point, ramp back to 25°C in 1 min. and dwell at 25°C for 1 min. Typical times, your results may vary.

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