



Protect your DataTrace 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 several 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 most 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.



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

Model 3000 - Moderate Temperature

Part#124633-502

Designed for either dry or liquid environments, this thermal barrier is an economical choice to protect a single logger in moderate temperature environments.

Model 3080 - Multi-Logger

Part#124876-500

With the lowest cost per measurement channel, this unit is designed to protect three Micropack III data loggers in moderate temperature environments.

Product Specifications

DataTrace[®] Thermal Packs

124633-502	
Size:	Cylinder, 75mm D 120mm L
Loggers:	One MPIII
Insulation:	PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	59 minutes
350°C / 662°F	42 minutes

122010-500, 122011-500	
Size:	Rectangular Box, 64mm x 86mm x 44mm
Loggers:	122010-500 - One Single-Probe MPIII 122011-500 - One Dual-Probe MPIII
Insulation:	PTFE, Carbon
Use:	Dry Only
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	36 minutes
350°C / 662°F	27 minutes

124876-500	
Size:	Rectangular Box 95mm x 82mm x 46mm
Loggers:	Three MPIII
Insulation:	PTFE, Carbon
Use:	Dry Only
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	36 minutes
350°C / 662°F	27 minutes



124670-714	
Size:	Cylinder, 50mm D 140mm L
Loggers:	One MPIII
Insulation:	Vacuum Dewar, PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	109 minutes
350°C / 662°F	77 minutes

122012-140	
Size:	Cylinder, 35mm D 140mm L
Loggers:	One MPIII
Insulation:	Vacuum Dewar, PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	87 minutes
350°C / 662°F	54 minutes

124670-720	
Size:	Cylinder, 50mm D 200mm L
Loggers:	One MPIII
Insulation:	Vacuum Dewar, PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	195 minutes
350°C / 662°F	135 minutes

124670-740	
Size:	Cylinder, 50mm D 400mm L
Loggers:	One MPIII
Insulation:	Vacuum Dewar, PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	380 minutes
350°C / 662°F	240 minutes

124873-175	
Size:	Cylinder, 30mm D 175mm L
Loggers:	One MPIII
Insulation:	Vacuum Dewar, PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	93 minutes
350°C / 662°F	61 minutes

DT-170034	
Size:	Cylinder, 38.1mm D 50.29mm L
Loggers:	One MPIII Flex or Bendable
Insulation:	PTFE
Use:	Dry or Liquid
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	10 minutes
350°C / 662°F	7 minutes

122013-500	
Size:	Cylinder, 50mm D 152mm L
Loggers:	One MPRF
Insulation:	PTFE
Use:	Dry Only
Typical Dry Performance*:	
Temperature	Maximum Time
250°C / 482°F	27 minutes
350°C / 662°F	20 minutes

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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CE Ex 21 CFR Part 11 Compliant

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