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

Part# 124633-502 - Moderate Temperature

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

Part# 124876-500 - Multi-Logger

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



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

Part#122010-500 & 122011-500 -Single Logger

Single-logger versions of part# 124876-500 with the same temperature performance characteristics. Part#122010-500 holds a single-probe logger; 122011-500 holds a dual-probe logger.

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Thermal Packs for MPIII and MPRF

Part#124670-714, 124670-720 & 124670-740 - High Temperature

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

Part#122012-140 - High Temperature

A slimmer version of part #124670-714, 1.4" wide instead of 2", and 5.6" tall.

Part#124873-175 - Slim Line

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

Part#122013-500 - MPRF

For dry use only, this thermal pack holds one MPRF logger.



Part# 124633-502		
Cylinder, 75mm D 120mm L		
One MPIII		
PTFE		
Dry or Liquid		
Typical Dry Performance*:		
Maximum Time		
59 minutes		
42 minutes		
38 minutes		

Part#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		
400°C / 752°F	24 minutes		

Part#	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	
400°C / 752°F	24 minutes	

Part#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	
400°C / 752°F	68 minutes	

Part#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	
400°C / 752°F	42 minutes	

Part#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	
400°C / 752°F	120 minutes	

Part #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	
400°C / 752°F	205 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.







Part# 124633-502

Part#124873-175

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