



Fluke Process Instruments

Thermal Barriers

for Q18 data loggers (6, 10, and 12 channel)

Our lead free, rugged barriers are incredibly lightweight and are constructed of durable stainless steel that is not easily damaged by forceful handling. Our most popular barrier weighs only 0.7 kg (1.6 lb) and can survive temperatures of 300°C (572°F) for over eight minutes.

Datapaq® thermal barriers routinely withstand the harshest industrial environments. They are made of the same insulation used in an airplane's 'black box' and are proven to protect your data logger run after run, day after day.



THERMAL BARRIERS SUITABLE FOR 6 CHANNEL DATA LOGGER – DQ1860

TB2064 – LOW HEIGHT THERMAL BARRIER

A low height barrier for profiling ovens with very tight clearances. If rapid re-use is required or a longer than standard process is to be profiled, then consider TB2015 or TB2065.

Weight	0.6 kg (1.3 lb)		
Dimensions (H x W x L)	20 x 133 x 210 (0.8 in x 5.2 in x 8.3 in)		
Thermal Duration			
Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	9	8	6

TB2015 – STANDARD THERMAL BARRIER

The standard workhouse barrier used in thousands of facilities worldwide. If height is limited, consider the TB2064. If very frequent, heavy use is planned, consider the TB2065.

Weight	0.68 kg (1.5 lb)		
Dimensions (H x W x L)	25 x 133 x 210 (1.0 in x 5.2 in x 8.3 in)		
Thermal Duration			
Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	10	9

TB2065 – LONG DURATION THERMAL BARRIER

Designed for longer duration and higher temperature processes. The choice when frequent profiling is needed and cool down time is limited.

Weight	0.68 kg (1.5 lb)		
Dimensions (H x W x L)	29 x 133 x 210 (1.1 in x 5.2 in x 8.3 in)		
Thermal Duration			
Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	11	10

THERMAL BARRIERS SUITABLE FOR 6 CHANNEL NARROW DATA LOGGER – DQ1862

TB2020 – LOW HEIGHT, NARROW THERMAL BARRIER

For profiling small products where oven width and height are limited.

Weight	0.5 kg (1.1 lb)		
Dimensions (H x W x L)	28 x 84 x 223 (1.1 in x 3.3 in x 8.8 in)		
Thermal Duration			
Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	10	8	7

TB2021 – NARROW THERMAL BARRIER

Narrow for limited width with enough insulation for rapid re-use. If height is limited, then consider the TB2020.

Weight	0.65 kg (1.4 lb)		
Dimensions (H x W x L)	35 x 84 x 223 (1.3 in x 3.3 in x 8.8 in)		
Thermal Duration			
Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	11	10

THERMAL BARRIERS SUITABLE FOR 6 CHANNEL SUPER SLIM DATA LOGGER – DQ1861

TB2066 – LOW HEIGHT, SLIM THERMAL BARRIER

Created to profile very narrow and low height assemblies.

Weight 0.65 kg (1.4 lb)

Dimensions (H x W x L) 20 x 87 x 328 (0.8 in x 3.4 in x 12.9 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	8	6	6

TB2067 – STANDARD SLIM THERMAL BARRIER

Standard height, yet slim for frequent profiling of narrow processes. If height is limited, consider the TB2066. If very heavy use is planned, consider the TB2068.

Weight 0.75 kg (1.7 lb)

Dimensions (H x W x L) 25 x 87 x 328 (1.0 in x 3.4 in x 12.9 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	11	10	8

TB2068 – LONG DURATION SLIM THERMAL BARRIER

For longer duration and higher temperature processes, or when frequent profiling is needed and cool down time is limited.

Weight 0.8 kg (1.8 lb)

Dimensions (H x W x L) 29 x 87 x 328 (1.1 in x 3.4 in x 12.9 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	11	10

THERMAL BARRIERS SUITABLE FOR 10 CHANNEL DATA LOGGER – DQ1810

TB2061 – LOW HEIGHT 10 CHANNEL THERMAL BARRIER

Designed for convection or IR soldering processes where height is restricted and 10 thermocouple channels are needed.

Weight 0.6 kg (1.3 lb)

Dimensions (H x W x L) 28 x 87.5 x 257.5 (1.1 in x 3.4 in x 10.1 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	10	8	7

TB2062 – STANDARD 10 CHANNEL THERMAL BARRIER

Provides optimum insulation in a compact package, suitable for frequent use.

Weight 0.68 kg (1.5 lb)

Dimensions (H x W x L) 35 x 87.5 x 257.5 (1.4 in x 3.4 in x 10.1 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	11	10

THERMAL BARRIERS SUITABLE FOR 12 CHANNEL DATA LOGGER – DQ1812

TB2081 – LOW HEIGHT 12 CHANNEL THERMAL BARRIER

Designed primarily for use in convection or IR reflow soldering processes, where the process height is restricted and 12 thermocouple channels are required.

Weight 0.6 kg (1.3 lb)

Dimensions (H x W x L) 28 x 88 x 274 (1.1 in x 3.4 in x 10.7 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	10	8	7

TB2082 – STANDARD 12 CHANNEL THERMAL BARRIER

Designed primarily for use in convection or IR reflow soldering processes.

Weight 0.7 kg (1.4 lb)

Dimensions (H x W x L) 35 x 88 x 274 (1.3 in x 3.4 in x 10.7 in)

Thermal Duration

Temperature	200°C (392°F)	250°C (482°F)	280°C (536°F)
Duration (mins)	13	11	10

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Worldwide Service

Fluke Process Instruments offers services, including repair and calibration. For more information, contact your local office.

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