

# 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.

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

#### TB2015 – STANDARD THERMAL BARRIER

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

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

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

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

#### TB2021 – NARROW THERMAL BARRIER

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

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

## **The Worldwide Leader in Temperature Profiling**

### **Europe and Asia**

DATAPAQ Limited

Lothbury House Cambridge Technopark  
Newmarket Road, Cambridge  
CB5 8PB, UK

Tel: +44 1223 652 400

Fax: +44 1223 652 401

E-mail: sales@datapaq.co.uk

### **North and South America**

DATAPAQ Inc.

3 Corporate Dr.

Unit 1

Derry, NH 03038, USA

Tel: +1 603 537 2680

Fax: +1 603 537 2685

E-mail: sales@datapaq.com

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A Fluke Company

[www.datapaq.com](http://www.datapaq.com)

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