



# TECHNICAL SPECIFICATIONS

## THERMAL BARRIER

### TB7250

<b>Dimensions (H x W x L)</b>	23 mm x 165 mm x 224 mm (0.91 in x 6.5 in x 8.82 in)			
<b>Weight</b>	914 g (2.1 lb)			
<b>Thermal Duration</b>	200°C (392°F)	400°C (752°F)	600°C (1112°F)	800°C (1472°F)
Duration (mins)	19	5.5	4.5	3.5
<b>Material</b>	Stainless steel outer with microporous ceramic insulation			

### TB2094

<b>Dimensions (H x W x L)</b>	19.5 mm x 90.5 mm x 336.5 mm (0.77 in x 3.5 in x 13.2 in)			
<b>Weight</b>	900 g (1.9 lb)			
<b>Thermal Duration</b>	200°C (392°F)	400°C (752°F)	600°C (1112°F)	800°C (1472°F)
Duration (mins)	6.5	2.0	1.5	1.0
<b>Material</b>	Stainless steel outer with microporous ceramic insulation			

### TB7200

<b>Dimensions (H x W x L)</b>	19.5 mm x 165 mm x 234 mm (0.77 in x 6.6 in x 9.21 in)			
<b>Weight</b>	940 g (2.07 lb)			
<b>Thermal Duration</b>	200°C (392°F)	400°C (752°F)	600°C (1112°F)	800°C (1472°F)
Duration (mins)	6.5	2.0	1.5	1.0
<b>Material</b>	Stainless steel outer with microporous ceramic insulation			

## DATA LOGGER

The Datapaq Q18 logger features rugged, reliable and accurate data acquisition circuits, clear status indicators and an intelligent battery management system.

<b>Model number</b>	DQ1860/DQ1861
<b>Number of channels</b>	6
<b>Sampling interval</b>	0.05 seconds to 10 minutes
<b>Accuracy</b>	±0.5°C (±0.9°F)
<b>Resolution</b>	0.1°C (0.2°F)
<b>Maximum internal operating temperature</b>	85°C (185°F)
<b>Temperature range</b>	-200°C to 1370°C (-328°F to 2498°F)
<b>Memory</b>	55,000 readings per channel (6 channels active)
<b>Data collection start</b>	Start/stop buttons, time or temperature trigger
<b>Battery</b>	NiMH rechargeable
<b>Thermocouples</b>	Type K

## Probe Clamps

The probe clamp securely holds the cell, so the associated custom-designed probes can easily be slid into position.

**PA2100** is for use with 156 mm (6.1 in) or 125 mm (4.9 in) cells on flat belts or those with standoffs. **PA2110** has an outer width of 156 mm (6.1 in) and is designed for use specifically in furnaces with edge cell supports, ensuring the system rides at the correct height.

## RECOMMENDED THERMOCOUPLES

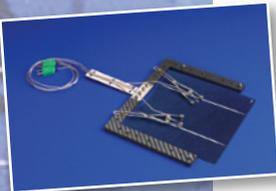
<b>PA1570</b>	300 mm (1 ft) length
<b>PA1571</b>	600 mm (2 ft) length
<b>PA1572</b>	1000 mm (3.25 ft) length

Ultra fine, mineral insulated Type K thermocouple, diameter 0.5 mm (0.02 in). These thermocouples comply with BSEN 60584.2 Class 1.

## Type K fine wire fiber probe

<b>PA1144</b>	500 mm (1.6 ft) length
<b>PA1145</b>	1000 mm (3.25 ft) length

Fine wire Type K thermocouple with flexible binder free fiber insulation. Hot junction flattened for improved thermal contact with the cell. Complies with ANSI MC96.1 Special Limits of Error.



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