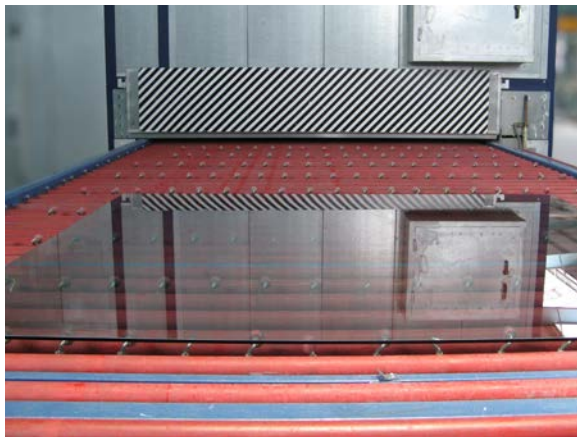
FLUKE®
Process Instruments

TECHNICAL DATA

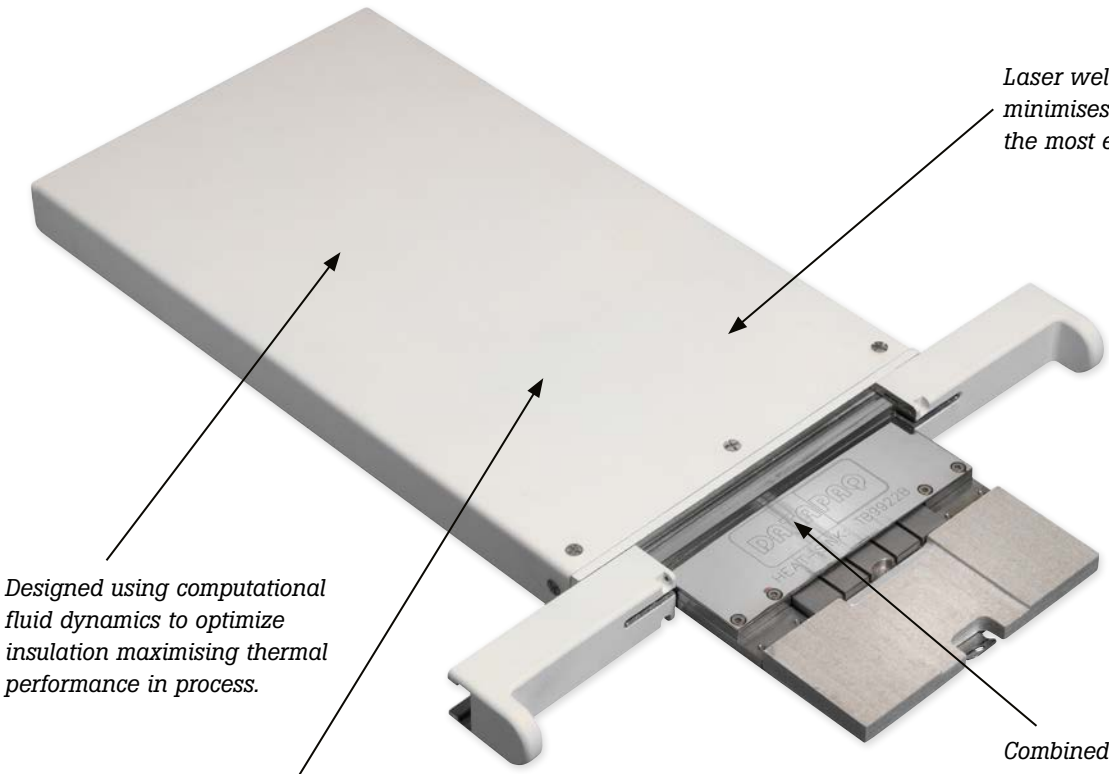
Furnace Tracker®

Innovative Low-Height Thermal Barriers for Use in High Temperature Applications

Datapaq has been manufacturing in-process temperature profiling systems for more than 25 years. The expertise gained during this time has been used together with some innovative new technologies to create a range of ultra low-height thermal barriers. Ranging from only 29 to 60 mm (1.14 to 2.36 in) high, this range of barriers is unique; no other products on the market are able to offer such high performance in this compact and easy-to-use format.



Features and Benefits



Laser welded outer case minimises distortion, even in the most extreme processes.

Designed using computational fluid dynamics to optimize insulation maximising thermal performance in process.

Ceramic coating increases performance, service life and decreases risk of furnace contamination.

Combined heatsink and logger tray make removal easy and safe at the end of the process, even with high temperatures on the barrier surface.

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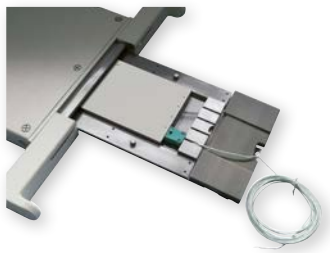
Technical Specifications

TB7528 – Low-height high temperature thermal barrier (4 channel)

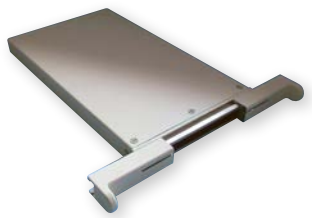
This ultra low-height barrier is designed for use in both conveyor and oscillating furnaces, which are typically used for glass tempering. The TB7528 is designed to be used with the DP5640 4 channel logger.



Weight	8 Kg (17.6 lb)		
Dimensions (H × W × L)	29 × 218 × 429 mm (1.14 × 8.58 × 16.9 in)		
Thermal Duration			
Temperature	400 °C (752 °F)	600 °C (1112 °F)	700 °C (1292 °F)
Duration (mins)	18	10	8

TB7729 – Low-height high temperature thermal barrier (10 channel)

Ultra low-height, 29 mm (1.14 in), and designed for use in both conveyor and oscillating furnaces typically used for the tempering of glass. The TB7729 is designed to be used with the DP5642 10 channel logger.



Weight	10 Kg (22 lb)		
Dimensions (H × W × L)	29 × 256 × 461 mm (1.14 × 10.08 × 18.15 in)		
Thermal Duration			
Temperature	400 °C (752 °F)	600 °C (1112 °F)	700 °C (1292 °F)
Duration (mins)	18	10	8

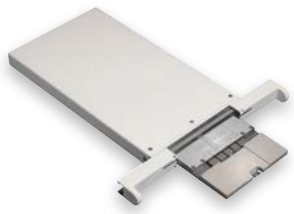
TB7540 – High temperature thermal barrier (6 channel)

Low-height, 40 mm (1.57 in), and designed for use in high temperature conveyor furnaces the TB7540 is used in a range of applications. It is designed to be used with the DP5600 6 channel data loggers.

Weight	10 Kg (22 lb)		
Dimensions (H × W × L)	40 × 253 × 316 mm (1.57 × 9.96 × 12.44 in)		
Thermal Duration			
Temperature	400 °C (752 °F)	600 °C (1112 °F)	850 °C (1562 °F)
Duration (mins)	33	25	15

TB7360 – High temperature thermal barrier (6 channel)

The TB7360 is a 60 mm (2.36 in) high thermal barrier designed for use in very high temperature short duration processes and has found use in applications from steel coil annealing to coating applications in the touch screen industry. It has been proven in processes operating up to 1200 °C (2192 °F) and provides unmatched thermal performance. It is designed for use with the steel cased DP5600 6 channel type K data logger.



Weight	11 Kg (24.2 lb)		
Dimensions (H × W × L)	60 × 194 × 355 mm (2,36 × 7.64 × 13.98 in)		
Thermal Duration			
Temperature	400 °C (752 °F)	600 °C (1112 °F)	850 °C (1562 °F)
Duration (mins)	50	35	22

The Fluke Process Instruments Guarantee

Each Fluke Process Instruments system is supported with a full one year warranty.
Service contracts available: Complementing the warranty, we offer a yearly service and recalibration contract, which includes free software updates and loan equipment for guaranteed peace of mind.

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