## Data Logging Measurement System with SMART SENSOR TECHNOLOGY™

## Data Logger Dwell Time (Time vs. Temperature)

CORPION<sup>®</sup> 2

A **Thermal Barrier** is used to protect the SCORPION<sup>®</sup> 2 Data Logger from extreme hot and cold conditions found in commercial ovens and freezers. By sliding the data logger inside the thermal barrier, thermal migration is delayed from damaging the sensitive electronic circuitry.



Several thermal barrier heights are available to cover a wide range of process temperatures and dwell times. The height is the thickness of the thermal barrier, which translates to the headroom required to pass the SCORPION<sup>®</sup> 2 through the process.

The Data Logger Dwell Time Graph is used to determine what size thermal barrier is required for safe operation. The thermal barrier performances for the 6 standard sizes are displayed.



## **Thermal Barriers:**

 THB40: H = 40.0mm (1.6") x W = 25.0cm (9.8") x L = 29.1cm (11.5")

 THB50: H = 50.0mm (2.0") x W = 25.0cm (9.8") x L = 29.1cm (11.5")

 THB60: H = 60.0mm (2.4") x W = 26.0cm (10.2") x L = 29.1cm (11.5")

 THB80: H = 80.0mm (3.2") x W = 28.0cm (11.0") x L = 32.1cm (12.6")

 THB100: H = 100.0mm (3.9") x W = 32.5cm (12.8") x L = 39.1cm (15.4")

 THB125: H = 125.0mm (4.9") x W = 32.5cm (12.8") x L = 39.1cm (15.4")



