

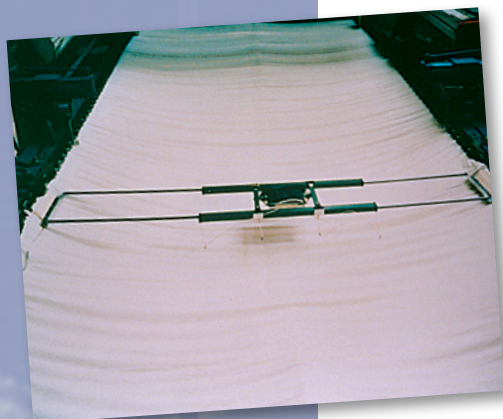


A Fluke Company

# StenterPac

## the Stenter Oven profiling solution

The DataPac® StenterPac allows you to monitor the temperature profile of your fabric as it passes through the Stenter / Tenter oven. It combines the latest data logger technology, with thermal protection and analytical software to ensure your process is kept within specified tolerances.



Telescopic Frame StenterPac

The StenterPac is designed to be either supported by the fabric or by the stenter hooks, with only the thermocouple tips touching the fabric.

The StenterPac can be used on a wide range of material from smooth fabric through to heavy, deep pile carpet.

Two types of the StenterPac are available for use in the stenter. A telescopic arm frame, is used for processes where the fabric stretches as it enters the stenter. A fixed arm type is used in Stenters where a mesh belt supports the fabric, or for use in the carpet industry.

Precise temperature readings begin immediately when the thermocouples enter the Stenter and are taken at high speed for the best possible resolution.

Upon exit, the data is downloaded onto the DataPac powerful, yet easy to use Insight™ analysis software package, allowing fast and accurate analysis of the drying or curing cycle, with full color reports generated in seconds.

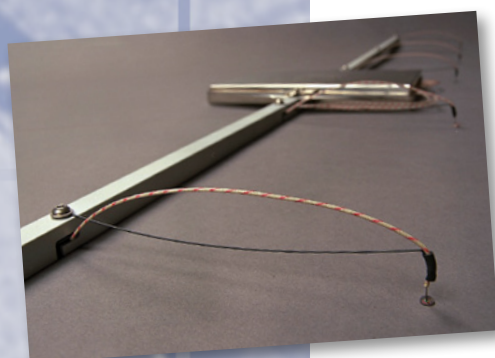
### SYSTEM FEATURES

- Data logger accuracy of  $\pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ )
- Powerful DataPac Insight™ analysis software
- Fast response thermocouples with special flat tips do not mark or penetrate even the finest of fabrics
- Range of arm sizes to suit all fabric widths
- Sampling interval fully programmable down to 0.05 seconds
- Repeatable results
- Starts automatically on entering the oven by temperature



### BENEFITS

- Designed to meet the specific needs of the textile industry
- Generates automatic process reports for ISO9000
- Checks that the cure is to the manufacturer's specification
- Allows fast set-up after line maintenance, breakdown or fabric type change
- Ensures true oven conditions are always monitored – the line only needs to be stopped for a few seconds to fit the system
- Highlights hot and cold spots in the oven which may give a 'patchy' finish on the fabric
- Optimizes production by reducing rejects and increasing quality
- Easy-to-use!



Fixed arm on StenterPac

# TECHNICAL SPECIFICATIONS

## Q18 DATA LOGGER

<b>Model:</b>	DQ1860
<b>Number of Channels:</b>	6
<b>Sample 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>	18,000 readings per channel
<b>Data Collection Start:</b>	Start/Stop buttons, time or temperature trigger
<b>Thermocouples:</b>	Type K
<b>Battery:</b>	NiMH rechargeable
<b>Battery Charging:</b>	Full charge in less than 2 hours
<b>Battery Life:</b>	60 hours (sample interval 5 seconds @ 25°C / 77°F)

## TECHNICAL SPECIFICATIONS

### TB0030 – Fixed Arm Thermal Barrier

<b>Width (overall):</b>	1000 mm (39.3 in), 1300 mm (51.1 in), 1750 mm (68.8 in) (please specify)
<b>Depth (overall):</b>	202 mm (7.9 in)
<b>Height (overall):</b>	20 mm (0.78 in)
<b>Weight:</b>	1.4 kg (3 lbs)
<b>Duration:</b>	4 minutes @ 250°C (482°F), 5.5 minutes @ 150°C (302°F)

### TB0031 – Telescopic Arm Thermal Barrier

<b>Width (overall):</b>	Adjustable from 700 mm to 1840 mm (27.5 in to 72.4 in)
<b>Depth (overall):</b>	320 mm (12.5 in)
<b>Height (overall):</b>	33 mm (1.2 in)
<b>Weight:</b>	3 kg (6.6 lbs)
<b>Duration:</b>	4 minutes @ 250°C (482°F), 5.5 minutes @ 150°C (302°F)

## THERMOCOUPLES

### Spring Arm Stenter Thermocouple

- Exposed junction tip
- PTFE 0°C to 265°C (32°F to 509°F)
- Used for fabric or carpet with deep pile to penetrate to base of material

### Spring Arm Stenter Thermocouple

- Copper washer tip
- PTFE 0°C to 265°C (32°F to 509°F)
- Used for smooth fabric to sit flat on the surface

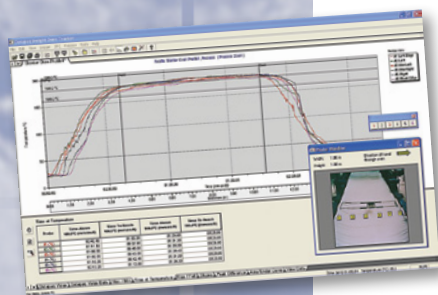
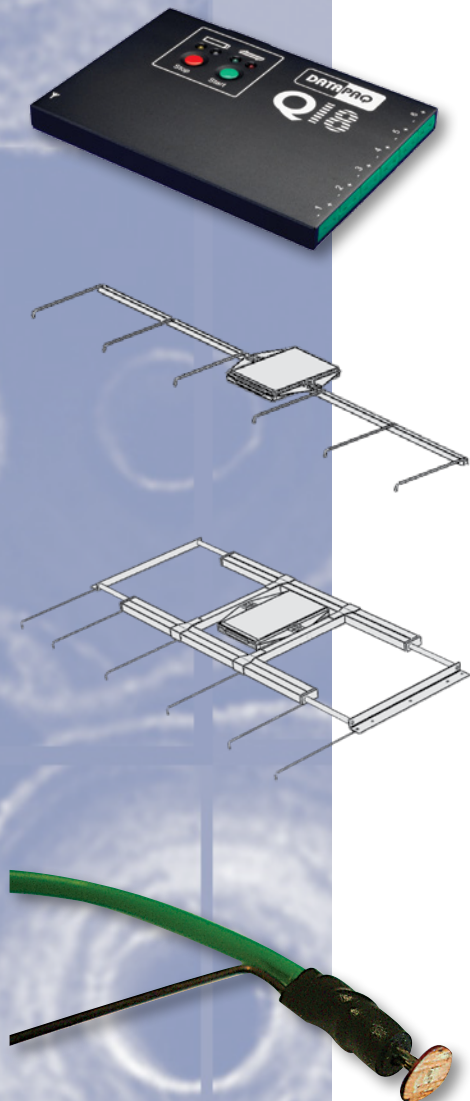
## SOFTWARE FEATURES

**Oven Tracker® Insight™** analysis software allows comprehensive data review, analysis and reporting.

Includes:

- Simple Wizard operation
- Datapaq Value, Reference and Tolerance Curves, SPC (Statistical Process Control), BakeChart analysis
- Analysis Alarms, plus much more
- Local language available (please contact Datapaq for details)

**The Worldwide Leader in Temperature Profiling**



**Europe and Asia**  
 DATAPAQ Limited,  
 Deanland House, 160 Cowley Road,  
 Cambridge CB4 0GU, UK  
 Tel: +44 (0)1223 423 141  
 Fax: +44 (0)1223 423 306  
 E-mail: sales@datapaq.co.uk  
 Web: www.datapaq.com

**North and South America**  
 DATAPAQ Inc.,  
 187 Ballardvale Street,  
 Willimington, MA 01887, USA  
 Tel: +1 978 988 9000  
 Fax: +1 978 988 0666  
 E-mail: sales@datapaq.com  
 Web: www.datapaq.com

**Germany**  
 DATAPAQ GmbH,  
 Valdorfer Straße 100  
 D-32602 Vlotho, Deutschland  
 Tel: +49 5733 9107 0  
 Fax: +49 5733 9107 27  
 E-mail: sales@datapaq.de  
 Web: www.datapaq.de



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

©2011 Datapaq (StenterPaq Rev B) 6/2011  
 Datapaq and the Datapaq logo  
 are registered trademarks of Datapaq.  
 Specifications subject to change without notice.