

DATAPAQ

EasyTrack²

profile your oven the Easy way



DATAPAQ[®]

A Fluke Company

DATAPAQ

Since 1984, the name Datapaq® has become synonymous with temperature profiling in the paint and powder coatings industry worldwide. With a reputation for accuracy, ease of use and reliability, Datapaq continues to set the industry standard for excellence. Datapaq is the preferred choice in temperature profiling and continues to provide systems that exceed the demands of the harshest of thermal processes.

EasyTrack® 2 is the latest generation of Oven Tracker systems designed specifically for paint and powder coaters who need to gather reliable process information quickly and easily. The new improved system features a choice of loggers providing a rapid sampling interval of 0.5 seconds, greater accuracy of $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$), and USB communications.



EasyTrack² Bringing Benefits to Your Business

- Check that your process meets the coating suppliers cure specification to guarantee product quality.
- Identify immediately when problems occur in your oven. Use the profile data to isolate the cause and suggest action needed to correct it.
- Eliminate costly rejects or rework.
- Optimize process parameters to maximize throughput and minimize energy costs.
- Validate new products and coatings accurately with ease and efficiency.

Insight™ Software

Easy to use, Intuitive, Accurate

Designed with the operator in mind, Datapaq's EasyTrack Insight analysis software converts raw data into meaningful information quickly and easily. Insight will allow you to confirm cure against your paint suppliers' specifications, make comparisons probe to probe, identify that the Datapaq Values fall within an acceptable tolerance range, and evaluate process parameter changes.

With a simple click of the mouse, you can print out a profile report used to satisfy all necessary regulatory requirements. Protect existing contracts and win new customers.



Analysis Tools – to benefit your process:

- Oven start and exit correction
- Maximum temperature and time recorded
- Time at and time to reach temperature
- Datapaq Value – Index of Cure
- View data – raw data measurement by measurement
- Mouse operated zoom
- Graph overlay
- Logger reset options (sample interval, start button or temperature trigger)
- Onboard battery charge indicator
- Data import/export and auto Paqfile email
- Concise single page validation report
- Paqfile viewer software – download from www.datapaq.com





EasyTrack2 Data Logger...

Choice and Flexibility

Measuring the exact temperature of your product as it passes through the cure oven gives you the power to understand, control and maximize your coating process.

Giving you choice and flexibility, the EasyTrack2 is now available with 4 or 6 channels. Designed to withstand the harshest of thermal processes, the EasyTrack2 data logger has an internal operating temperature of up to 85°C (185°F) without any deterioration in accuracy, guaranteeing a reliable process run. Intelligent power management, non-volatile memory and auto power-down after use ensures you get the most out of your logger.

2 hours
protection at
200°C (400°F) and
weighs less than
3 kg (6 lbs).

The EasyTrack2
data logger
also has hot
data protection
preventing the
accidental deletion of valuable data.



Thermal Barrier...

Optimal Thermal Protection

Getting the EasyTrack2 data logger through a powder coating oven safely requires a thermal barrier you can trust run after run. The EasyTrack2 standard thermal barrier provides optimal thermal protection with high performance ceramic insulation and back up heat sink. This barrier allows 2 hours of protection at 200°C (400°F) - keeping the data logger at a safe working temperature as it travels through the process. With a variety of barriers to choose from, we can easily customize a system to meet your specific needs.



Thermocouples

Profiling your oven requires you to attach thermocouples to your work piece reliably and accurately. Our exceptionally durable, quad wrapped, 10 strand PTFE and metal braid coated type K thermocouples are made for just that.* Each thermocouple is designed with a circular cross section to reduce kinking and twisting, and comes with a strong crimped plug/cable attachment. Specified to ANSI MC96.1 Special Limits of Error ($\pm 0.4\%$ or 2.0°F which ever is greater), you can guarantee a high accuracy reading. (Various cable lengths available.)

** Does not apply to PA0182 and PA0060*

Clamp Probe Attaches to any nonferrous surface 1.5m (5ft)
PTFE cable: 0 - 265°C (32 - 509°F)

PA0021 – Air
PA0011 – Surface



MicroMag Probe Attaches to ferrous surface - where space is limited, 1.5m (5ft) PTFE cable;
0 - 265°C (32 - 509°F)

PA0995 – Air
PA0973 – Surface



Exposed Junction Probe
Spot welded, soldered or taped to product or test piece, 1.5m (5ft)
PA0063
PTFE Cable: 0 - 265°C (32 - 509°F)
PA0182
Fiberglass Cable: 0 - 500°C (32 - 932°F)



Patch Probe - Used for low mass small products, plastics or IR processes, 1.5m (5ft)
0 - 265°C (32 - 509°F)
PA0060 - PTFE Cable



Technical Specifications

Data Logger	ET404 I	ET606 I
Number of Channels	4	6
Thermocouple Type	K	K
Sample Interval	0.5 seconds to 60 minutes	
Accuracy	$\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$)	
Accuracy Protection	Cold junction compensation- accuracy guaranteed up to 85°C (185°F) logger temperature	
Resolution	0.1°C (0.2°F)	
Maximum Internal Operating Temperature	85°C (185°F)	
Safety Features	Over temperature protection prevents use of logger if too hot. Auto shut down at an internal temperature of 85°C (185°F)	
Measurement Range	-150 to 500°C (-238 to 932°F)	
Memory	Non-volatile with hot data protection	
Memory (readings per channel)	4000	6000
Data Collection Start	Start button/temperature trigger	
Battery	Good quality 9V PP3 Alkaline (replaceable)	
Battery Life	At 5 second intervals – 120 hours continuous measurement At 1.0 second intervals – 74 hours continuous measurement At 0.5 second intervals – 43 hours continuous measurement	
Hardwired Telemetry Capability	No	Yes
LED Indicators	Always informed of status	
Battery Compartment	Magnetic catch - access without the need for tools	



EasyTrack2 Thermal Barrier - TB0250

Aluminum construction, ceramic insulation. Includes plastic molded heatsink. Suitable data loggers EasyTrack and EasyTrack2 (ET404I, ET505I, ET606I).

Weight	2.6 kg (5.7 lbs)
Dimensions (H x W x L)	111 x 185 x 260 mm (4.4 x 7.3 x 10.2 in)
Heatsink	TB9550 58°C (135°F)

Thermal Duration Temperature	100°C 200°F	150°C 300°F	200°C 400°F	250°C 475°F	300°C 575°F
Time (Mins)*	360	180	120	75	40

* Protection quoted at constant environmental temperature

THE DATAPAQ GUARANTEE

Each Datapaq system is supported with a full one year warranty. Complementing the warranty, we offer a yearly service and re-calibration contract, which includes free software updates and loan equipment for guaranteed peace of mind.*

* Dependent on country.

Minimum computer specifications

- Microsoft Windows® 2000 or above recommended
- 500 MHz processor
- 128 MB RAM
- Monitor resolution 1024 x 768, 256 colors
- 50 MB free hard disk space
- USB communication
- CD-ROM drive

The Worldwide Leader in Temperature Profiling



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