

EasyTrack[®]3

Accessories List

DATA LOGGER

Datapaq ET3 Logger

The ET3 data logger is at home in a wide range of coating and finishing applications. Its capacity for recording 18,000 data-points combined with simplicity in use makes it a powerful and flexible data-collection tool.

- Large **memory capacity** for detailed process analysis: up to 18,000 data-points can be recorded on each thermocouple channel for each temperature-profile run.
- Either four or six **thermocouple channels** (depending on model; see below).
- Uses **type-K thermocouples**.
- Powered by standard **alkaline PP3 battery**.
- **Short sample intervals**, to collect maximum data in minimum time.
- **High accuracy** for compliance to tight specifications: $\pm 0.5^{\circ}\text{C}/0.9^{\circ}\text{F}$.
- Data gathered by the logger but not yet downloaded ('hot data') is protected by **non-volatile memory** or by software warning if reset is attempted before download.
- **USB communication**.
- **Hardwired telemetry** – with full analysis functions and alarms to warn the user if the process is out of specification.
- **Four LEDs** to show the exact status of the logger's activity and its batteries.
- **Start and stop buttons** for easy user control.
- **Rugged case and coated electronics** allow operation in industrial environments.
- **Reset** possible by start button alone, for speed and simplicity.
- **Multiple-run capability** and **instant pass/fail SmartPac analysis** (with Insight EasyTrack Professional software).
- Dimensions: 20.5 × 67 × 170 mm/0.8 × 2.65 × 6.7 in. Weight: 200 g/0.44 lb.
- For full specification, contact Datapaq.

ET4043 Datapaq ET3 logger with 4 thermocouple channels.

ET6063 Datapaq ET3 logger with 6 thermocouple channels.

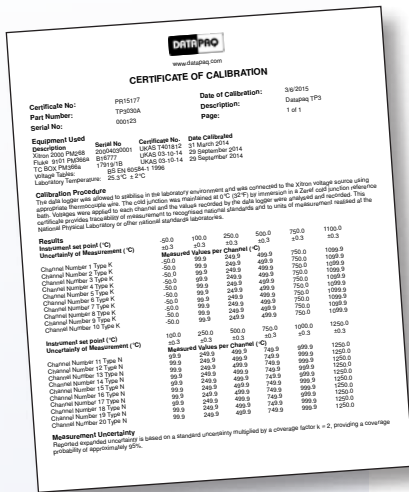
CI1150 USB Communications Lead for ET3 Logger

Connects logger to PC to enable logger reset, data download or display of real-time data-collection.

BP0003 Battery for ET3 Logger

Alkaline 9 V, PP3; pack of two. Battery is user-replaceable. *Maximum six packs per shipment.*





CALIBRATION AND SERVICE

RC0001 Recalibration of ET3 Data Logger

Comprises:

- Electronic calibration and adjustment of logger.
- Issue of calibration certificate traceable to national standards.
- Full test of functionality including battery testing, 14-hr thermal-stress testing and temperature-stability testing.

RC0005 Fixed Standard Recalibration/Service of ET3 Data Logger

As RC0001 (above), plus minor repairs such as replacement of electronic components.

RC0006 Fixed ISO 17025 Recalibration/Service of ET3 Data Logger

As RC0005 (above), including issue of ISO 17025 accredited calibration certificate.

SC0002 Service Contract, 12 months, for ET3 Data Logger

Comprises:

- Use of loan equipment in case of any failure or damage.
- Electronic calibration and adjustment of logger.
- Issue of ISO 17025 accredited calibration certificate if applicable.
- Full test of functionality including battery testing, 14-hr thermal-stress testing and temperature-stability testing.
- Annual full service of equipment.
- Logger firmware and Insight software updates.
- Minor logger repairs.

THERMAL BARRIERS

TB0253 Standard EasyTrack3 Thermal Barrier (with Heatsink)

Aluminum construction, ceramic insulation. Handle on end of case. Includes heatsink TB9550. Typical applications: general paint/powder/E-coat processes.

Temp. °C	100	150	200	250	300
Temp. °F	212	302	392	482	572
Duration (mins)	330	180	120	75	40
Dimensions	Height	Width	Length	Weight	
	110 mm 4.3 in.	185 mm 7.3 in.	265 mm 10.4 in.	3.0 kg 6.6 lb	

TB9550 Heatsink for Standard Thermal Barrier TB0253

Moulded plastic, one piece.

TB0263 Professional EasyTrack3 Thermal Barrier (with Heatsink)

Aluminum construction, ceramic insulation. Handle on end of case. Includes heatsink TB9950. Typical applications: advanced paint/powder/E-coat processes, and paint-suppliers.

Temp. °C	100	150	200	250	300
Temp. °F	212	302	392	482	572
Duration (hours)	9	4.5	3.0	1.8	1.0
Dimensions	Height	Width	Length	Weight	
	125 mm 4.9 in.	187 mm 7.4 in.	297 mm 11.7 in.	3.7 kg 8.2 lb	



TB9950 Heatsink for Professional Thermal Barrier TB0263

Plastic moulding filled with phase-change material. Phase-change temperature 58°C/136°F. High-performance threaded brass sealing bungs. Weight 1.0 kg/2.2 lb.



TB2037 Low-height EasyTrack3 Thermal Barrier

Stainless-steel construction, ceramic insulation. No heatsink. For short-duration processes in flat-bed low-clearance ovens.

Temp. °C	100	150	200	250	300
Temp. °F	212	302	392	482	572
Duration (mins)	30	18	13	–	9
Dimensions	Height	Width	Length	Weight	
	31 mm	90 mm	229 mm	0.5 kg	
	1.2 in.	3.5 in.	9.0 in.	1.1 lb	



TB5000-HT High-temperature EasyTrack3 Thermal Barrier (with Heatsink)

Stainless-steel construction. Uses two TB1001 heatsinks (see below), supplied. Fitted with glass-fiber-rope thermocouple-exit seal for high-temperature operation. Typical application: high-temperature coating cure, e.g. PTFE, Dacromet.

Temp. °C	100	150	200	250	300	400
Temp. °F	212	302	392	482	572	752
Duration (hours)	14.5	6.5	4.5	3.5	3	1.5
Dimensions	Height	Width	Length	Weight		
	130 mm	190 mm	292 mm	6.2 kg		
	5.1 in.	7.5 in.	11.5 in.	13.7 lb		



TB1001 Heatsink for High-temperature Thermal Barrier TB5000-HT

Stainless-steel case filled with phase-change material. Phase-change temperature 58°C/136°F. Two required for TB5000-HT thermal barrier.



SC0084 Retaining Clip

Pack of eight R-clips used to lock catches on TB0253, TB0263 and TB5000-HT thermal barriers.

THERMOCOUPLES

Probe-clamp Kit for ET3 Logger

Clamps thermocouples together for easy one-step connection to the logger. Accepts thermocouple plugs with either one or three holes.

CS3191 For use with 4-channel ET3 logger ET4043.

CS3192 For use with 6-channel ET3 logger ET6063.



Exposed-junction Thermocouples

Taped, spot-welded or soldered direct to components for measuring surface temperature. Can also be used to measure air/environmental temperature.

PTFE-insulated cable, maximum 265°C/509°F

PA0063 1.5 m/5 ft

PA0065 2.0 m/6.5 ft

PA0064 3.0 m/10 ft

Glass-fiber-insulated cable, maximum 500°C/932°F

PA0182 1.5 m/5 ft

PA0181 2.0 m/6.5 ft

PA0180 3.0 m/10 ft



HT0090 High-temperature Adhesive Tape

For securing exposed-junction and patch thermocouples. Pressure-sensitive silicone adhesive. Maximum 400°C/752°F. 30-m/98.4-ft reel. *(Available in USA only.)*



PA0980 MicroMag Thermocouple Mount

For securing exposed-junction thermocouple to ferrous substrate to measure temperature of air or (using high-temperature tape) substrate.



Adhesive-patch Thermocouple

Attaches directly to light-gauge metal or plastic with adhesive patch and/or high-temperature tape. Ideal where fast response is required or in infra-red processes. PTFE-insulated cable. Maximum 265°C/509°F.

PA0060 1.5 m/5 ft

PA0062 3.0 m/10 ft



MicroMag Magnetic Thermocouples

Attaches directly to ferrous substrate using strong SmCo magnet with diameter only 17 mm/0.67 in. Ideal for measuring temperature in tightest of recesses (aluminum knob can be removed). PTFE-insulated cable. Maximum 265°C/509°F.

Air Thermocouple

PA0995 1.5 m/5 ft

PA0996 3.0 m/10 ft

PA0999 6.0 m/20 ft

Surface Thermocouple

PA0973 1.5 m/5 ft

PA0974 3.0 m/10 ft

PA0975 6.0 m/20 ft



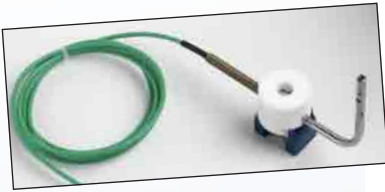
Surface Offset Magnetic Thermocouple

Attaches directly to flat ferrous substrate to measure surface temperature. PTFE-insulated cable. Maximum 265°C/509°F.

PA0053 1.5 m/5 ft

PA0054 3.0 m/10 ft

PA0050 6.0 m/20 ft



Air Magnetic Thermocouple

Attaches directly to ferrous substrate to measure air/environmental temperature. PTFE-insulated cable. Maximum 265°C/509°F.

PA0055 1.5 m/5 ft
PA0056 3.0 m/10 ft
PA0059 6.0 m/20 ft



Washer Thermocouple

Screwed directly to large heavy metal substrate. PTFE-insulated cable. Maximum 265°C/509°F.

PA0081 1.5 m/5 ft
PA0082 3.0 m/10 ft



Clip Surface Thermocouple

Clips to non-ferrous component to measure surface temperature.

PTFE-insulated cable, maximum 265°C/509°F

PA0011 1.5 m/5 ft
PA0012 3.0 m/10 ft
PA0016 6.0 m/20 ft

Glass-fiber-insulated cable with stainless-steel outer braid, maximum 400°C/752°F

PA1710 1.5 m/5 ft



Clip Air Thermocouple

Clips to non-ferrous component to measure air/environmental temperature.

PTFE-insulated cable, maximum 265°C/509°F

PA0021 1.5 m/5 ft
PA0022 3.0 m/10 ft
PA0025 6.0 m/20 ft

Glass-fiber-insulated cable with stainless-steel outer braid, maximum 400°C/752°F

PA1720 1.5 m/5 ft



IRMag Surface Thermocouple

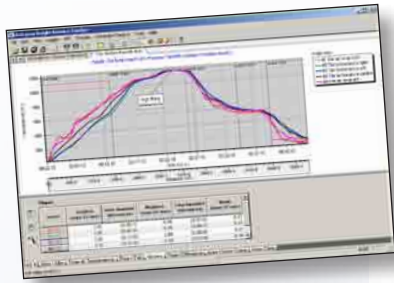
Magnetic attachment (maximum 300°C/572°F), to measure surface temperature of ferrous substrate in infra-red cure oven. Easy attachment and fast thermocouple response. High-temperature glass-fiber-insulated cable with stainless-steel outer braid prevents damage from infra-red heaters (maximum 400°C/752°F).

PA1361A 1.5 m/5 ft
PA1362A 3.0 m/10 ft
PA0980 Replacement mount
PA1371 1.5 m/5 ft Replacement cable and guide
PA1372 3.0 m/10 ft Replacement cable and guide



PA2051A Thermocouple ID Tags

Aluminum tags fitted to sensor end of thermocouple cable to allow clear identification of probe number even when thermal barrier is closed. Set numbered 1–8.



INSIGHT SOFTWARE

Check www.datapaq.com for latest Insight™ version and features.

Insight EasyTrack

A complete software system for monitoring and analyzing the temperature profiles of products in the general coating and finishing industry; accurate data acquisition and powerful analysis techniques are combined with flexibility and ease of use. Available in various languages. Incorporates comprehensive online Help system. Supplied with printed User Manual and Quick Reference Guide (not available in all languages), and with communications lead CI1150 (see above).

SW5216	Chinese, Simplified	SW52110	Czech	SW5217	Italian	SW52112	Russian
		SW5210	English	SW5215	Japanese	SW5219	Slovak
SW52111	Chinese, Traditional	SW5211	French	SW5218	Korean	SW5213	Spanish
		SW5212	German	SW5214	Portuguese	SW52114	Vietnamese

Insight EasyTrack Professional

All the functionality of Insight EasyTrack, plus numerous additional analysis and usability features (see EasyTrack3 Software datasheet).

SW5216-P	Chinese, Simplified	SW52110-P	Czech	SW5217-P	Italian	SW52112-P	Russian
		SW5210-P	English	SW5215-P	Japanese	SW5219-P	Slovak
SW52111-P	Chinese, Traditional	SW5211-P	French	SW5218-P	Korean	SW5213-P	Spanish
		SW5212-P	German	SW5214-P	Portuguese	SW52114-P	Vietnamese

Upgrade to current Insight EasyTrack from earlier version

Supplied with printed User Manual and Quick Reference Guide (not available in all languages).

UG5216	Chinese, Simplified	UG52110	Czech	UG5217	Italian	UG52112	Russian
		UG5210	English	UG5215	Japanese	UG5219	Slovak
UG52111	Chinese, Traditional	UG5211	French	UG5218	Korean	UG5213	Spanish
		UG5212	German	UG5214	Portuguese	UG52114	Vietnamese

Upgrade to current Insight EasyTrack Professional from earlier version of Insight EasyTrack

Supplied with printed User Manual and Quick Reference Guide (not available in all languages).

UG5326-P	Chinese, Simplified	UG53210-P	Czech	UG5327-P	Italian	UG53212-P	Russian
		UG5320-P	English	UG5325-P	Japanese	UG5329-P	Slovak
UG53211-P	Chinese, Traditional	UG5321-P	French	UG5328-P	Korean	UG5323-P	Spanish
		UG5322-P	German	UG5324-P	Portuguese	UG53214-P	Vietnamese

Upgrade to current Insight EasyTrack Professional from earlier version

Supplied with printed User Manual and Quick Reference Guide (not available in all languages).

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		UG5212-P	German	UG5214-P	Portuguese	UG52114-P	Vietnamese

Additional User Licenses

With User Manual and Quick Reference Guide supplied on CD (communications lead is not included).

Insight EasyTrack

L15210	Additional single user license
L55210	Additional five user licenses
L65210	Additional ten user licenses

Insight EasyTrack Professional

L15210-P	Additional single user license
L55210-P	Additional five user licenses
L65210-P	Additional ten user licenses



USER DOCUMENTATION

User documents in appropriate languages (as available) are provided in printed form with software purchases, full and upgrade. They are also available separately, as follows. (All versions of Insight EasyTrack software also contain a comprehensive online Help system.)

EasyTrack3 User Manual

MA5700	English
MA5701	German
MA5702	French
MA5703	Spanish
MA5705	Italian
MA5706	Simplified Chinese

EasyTrack3 Quick Reference Guide

MA5710	English
MA5701	German
MA5702	French
MA5703	Spanish
MA5704	Portuguese
MA5705	Italian
MA5706	Simplified Chinese
MA5707	Japanese
MA5708	Korean
MA5709	Slovak
MA57010	Czech
MA57012	Russian



BAGS AND CASES

CC0049 Soft Carry-bag

With shoulder strap, to provide convenient transportability for a complete EasyTrack3 system, including a thermal barrier. Included with the EasyTrack3 Professional system, and also available separately.

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Worldwide Service

Fluke Process Instruments offers services, including repair and calibration.
For more information, contact your local office.

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