

DATAPAQ[®] EasyTrack[®]3 Profiling System

DATAPAQ ET3 Datalogger Available with 4 and 6 Channels



DATAPAQ EasyTrack3 Professional system



EasyTrack3 Professional System operational



EasyTrack3 STD/ADV system



ET3 Loggers ET4043 & ET6063



ET3 logger – replaceable battery



ET3 Barriers TB0253 & TB0263

| | |
|-------------------------------------|---|
| Channels | 4 or 6 thermocouple options |
| Measurement range | -150 to 500 °C (-238 to 932 °F) |
| Thermocouple type | K (mini-plug) |
| Logger accuracy | ± 0.5 °C (± 0.9 °F) |
| Cold junction compensation | Accuracy guaranteed with change in logger temperature |
| Resolution | ± 0.1 °C (± 0.2 °F) |
| Logger operating range | 0 to 85 °C (32 to 185 °F) with safe auto shut down |
| Case | High temperature cool touch molded polycarbonate <100 °C (212 °F) |
| PCB | Coated to improve moisture protection |
| Sampling interval | 0.5 s to 60 min |
| Start trigger | Auto start / start button / temperature trigger |
| Battery use | Replaceable 9V alkaline (ANSI/NEDA 1604A IEC6LR61) |
| Battery life | Min 360 hours continuous operation – 5 s, 6 channels 25 °C (77 °F) Min 50 × 1 hour oven runs – 5 s, 6 channels at 70 °C (158 °F) |
| Memory | 18,000 readings per channel per run (0.5 s sample interval = 2.5 hours run time). Non volatile hot data protection. |
| On board calibration data | Digital certificate |
| On board logger LEDs | Logger & battery status indication |
| On board logger diagnostics | Service email for logger health check |
| Logger USB power | No battery discharge on reset & download |
| Auto logger detection | Auto boot up when logger detected by Insight™ software |
| Multiple run capability* | Max 3 runs separately stored in logger |
| SmartPaq* | Intelligent logger profile run “pass/fail” indicator |
| Computer interface cable | CI1150 mini-B USB connector |
| Hardwired telemetry | via USB cable |
| Software compatibility | EasyTrack Insight (V8.50); EasyTrack Insight Professional (V8.50) |
| Windows compatibility | 32 and 64-bit versions of Windows® XP, Vista, 7, 8, 10 |
| Logger dimension (l × w × h) | 170 × 67 × 20.5 mm (6.7 × 2.6 × 0.8 in) |
| Replaces | EasyTrack – ET5051; EasyTrack2 – ET4041 & ET6061 |
| Logger weight | ET4043 – 196 g (0.43 lbs); ET6063 – 200 g (0.44 lbs) |

* Requires Insight Professional software

THERMAL BARRIERS

The DATAPAQ EasyTrack3 system is offered with a range of thermal barriers designed to match different coating applications or operational needs. It is proven to keep the logger safe through the process and maintain logger temperatures at a level to guarantee the accuracy of the temperature measurements recorded. It provides dual protection confidence using microporous insulation and phase change technology.

| Barrier | TB0253 | TB0263 | TB2037 | TB5000-HT |
|---|---|---|------------------------------------|---------------------------------------|
| Construction | Aluminum | Aluminum | Stainless steel | Stainless steel |
| L × w × h mm (in) | 265 × 185 × 110 mm (10.4 × 7.3 × 4.3 in) | 297 × 187 × 125 mm (11.7 × 7.4 × 4.9 in) | 229 × 90 × 31 (9.0 × 3.5 × 1.2) | 292 × 190 × 130 (11.5 × 7.5 × 5.1) |
| Weight incl. barrier and heat sink Protection* (min) | 3 kg (6.5 lbs) | 3.7 kg (8.2 lbs) | 0.55 kg (1.2 lbs) | 6.2 kg (13.7 lbs) |
| at 100 °C (212 °F) | 330 | 540 | 30 | 870 |
| at 150 °C (302 °F) | 180 | 270 | 18 | 390 |
| at 200 °C (392 °F) | 120 | 180 | 13 | 270 |
| at 250 °C (482 °F) | 75 | 110 | 9 | 210 |
| at 300 °C (572 °F) | 40 | 60 | – | 180 |
| at 400 °C (752 °F) | – | – | – | 90 |
| Heat sink | TB9550: 58 °C (135 °F) | TB9950: 58 °C (135 °F) | NA | TB1001×2: 58 °C (135 °F) |

* Protection quoted at constant environmental temperature.



PA0063



PA0060



PA0181



PA0995/PA0973



PA0055/PA0053



PA0021/PA0011



CS3191/CS3192



PA2051



CC0049

THERMOCOUPLES

Thermocouple range offers accuracy and reliability. Quad wrapped, 10 Stand PTFE and metal braid coated type K thermocouples designed with circular cross section to reduce kinking and strong crimped plug cable attachment. Specified to ANSI MC96.1 special limits of error $\pm 0.4\%$ or 1.1 °C (34.0 °F). PTFE cables are rated up to 265 °C (509 °F). Cables quoted 1.5 m (6 ft) but available in variety of lengths.

Exposed Junction

Spot welded soldered or taped to product

PA0063 Exposed junction PTFE

PA0060 Patch probe PTFE

PA0181 Exposed junction fiberglass (operates safely up to min 500 °C (932 °F))

Magnetic Probes

Attached directly to ferrous products

PA0995 MicroMag air PTFE

PA0973 MicroMag surface PTFE

PA0055 Offset magnet air PTFE cable

PA0053 Offset magnet surface PTFE

Clip/ Clamp Probes

Attached directly to non-ferrous products

PA0021 Clip air PTFE

PA0011 Clip surface PTFE

CS3191/2, 4 & 6 channel probe clamp

PA2051 Probe ID tags

CC0049 Soft carry bag

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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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