DATAPAQ TP3 High Accuracy Data Logger – 10 and 20 Channels

for Furnace Tracker®, Kiln Tracker® and Oven Tracker®

Made from a single piece of machined stainless steel, with Bluetooth® communication as standard and multiple 10 or 20 channel thermocouple types, the DATAPAQ TP3 is the toughest and smartest data logger available!

The data logger can be fuelled by three battery types housed in an interchangeable battery cassette for maximum flexibility. With 3.6 million data points for clearer process visibility, sampling speed of 10 readings per second and accuracy of ±0.3°C (0.5°F), the DATAPAQ TP3 is the obvious choice for heat treatment, TUS surveys, ceramics and automotive processes.

Optional RF telemetry for real time monitoring, analogue inputs for reading other variables and choice of two logger styles allow the DATAPAQ TP3 to meet the most demanding specifications in the industry.

DATAPAQ TP3 data logger

DATAPAQ TP3 Furnace system

DATAPAQ TP3 Kiln system

SYSTEM VALUE

- Ten or twenty thermocouple channels for maximum data collection on each run
- Reset/download via Bluetooth with short range telemetry capability (up to 5 meters)
- High logger accuracy: ±0.3°C (±0.5°F) for compliance with tight specifications
- On-board memory service log for remote diagnostic and rapid on-site service
- Standard USB data cable available in local markets
- Radio frequency (RF) telemetry or hard wired data acquisition for monitoring in real time
- 3 user-replaceable battery types for operation in normal and high ambient temperatures
- 'Multiple events' allows variable sampling intervals during a run – ideal for water and gas quench processes
- Multiple run capability allows storing up to 10 runs before downloading into separate paqfiles
- Sampling intervals down to 0.1 seconds to collect maximum data

AMS 2750E AND CQI-9 REQUIREMENTS

- Multiple thermocouple types give flexibility for TUS and SAT
- On-board correction factors and calibration certificate – eliminate human error and save time on report generation
- Multiple software language support – 'one click', live language selection to meet operator needs
- Analogue input as optional for measuring 4 – 20 mA and 0 – 10 V signals
- Eliminate earth loop noise by using Bluetooth (as standard) instead of a cable for external logging

TECHNICAL SPECIFICATIONS

DATA LOGGER

Model number	TP3116	TP3016	TP3216	TP3126	TP3026	TP3226	TP3136	TP3036	TP3236
Temperature range	−100 °C to 1370 °C (−148 °F to 2498 °F)								
Connectivity	USB or Bluetooth* as standard								
Max. operating temperature	110 °C (230 °F)	70 °C (158 °F)		110 °C (230 °F)	70 °C (158 °F)		110 °C (230 °F)	70 °C (158 °F)	
Number of channels	10			20					
Memory capacity	3.2 million data points**			3.6 million data points**					
Sampling interval	0.1 sec – 50 min no telemetry ; 1 sec – 50 min RF telemetry*								
Logger accuracy	± 0.3 °C (0.5 °F)								
Dimensions L×W×H	200 × 98 × 20 mm (7.9 × 3.9 × 0.8 in)						177 × 124 × 20 mm (7 × 5 × 0.8 in)		
Battery	Lithium × 4	NiMH rechargeable	Alkaline × 4AA	Lithium × 4	NiMH rechargeable	Alkaline × 4AA	Lithium × 4	NiMH rechargeable	Alkaline × 4AA
Thermocouple type	K (other types available)								

* Contact DATAPAQ for availability of telemetry/Bluetooth in your country.
** Note that memory capacity may be limited by battery life restrictions.

BATTERY

Battery type	BP3000 NiMH	BP3051 Alkaline	BP3021 VHT
	Rechargeable, suitable batteries BP3001	Suitable batteries 4 x AA Alkaline BP0011	Suitable batteries Lithium thionyl BP0021
Battery life	10 channel, 1 min sample interval 70 °C (158 °F): 200 hours 20 channel, 1 min sample interval 70 °C (158 °F): 150 hours	10 channel, 1 min sample interval 70 °C (158 °F): 450 hours 20 channel, 1 min sample interval 70 °C (158 °F): 370 hours	10 channel, 1 min sample interval 100 °C (212 °F): 500 hours 20 channel, 1 min sample interval 100 °C (212 °F): 450 hours