

TECHNICAL DATA

Furnace Tracker®

Datapaq TP6 Data Logger

The range of Datapaq TP6 loggers are designed to withstand the harshest operating conditions for the longest duration.

The Datapaq TP6 is the perfect solution for the most demanding high temperature profiling applications with a 316-grade machined stainless-steel case and IP67 rating. Its robust software options also allow you to read information from the data logger in real-time with the optional Radio Frequency (RF) system and USB/Bluetooth connection options.

- Available in 10 and 20 channel configurations and two case styles
- Water resistant (IP67 rated)
- ATEX certified version available, allowing for safe operation in Zone II classified areas
- Communication via USB or Bluetooth
- Real time telemetry via USB, RF telemetry and Bluetooth*
- Alkaline, NiMH and Lithium battery options
- Compatible with the Datapaq Insight™ for mobile application



Datapaq TP6 Data Logger Features



Bluetooth communication

10 and 20 channel variants available

316-grade machined stainless-steel case resists corrosion resistance

IP67-rated case – water resistant to 1m (3 ft) submersion.

Standard mini USB connection

Datapaq TP6 Data Logger Features (Continued)



TP6100 - 10 thermocouple inputs and compatibility with the widest range of thermal barriers (including our sealed quench range). This unit can be ordered with a mix of thermocouple types as well as a radio transmitter that provides real-time profiling data from within the process.



TP6200 - 20 thermocouple inputs and compatibility with most conventional thermal barriers. The TP6200 can be ordered with up to four analog inputs and a mix of thermocouple types, which makes it the solution of choice for the most complex profiling applications.



TP6300 - 20 thermocouple inputs and an easy-to-use format that features the same specifications as the TP6200. This unit is also compatible with a range of thermal barriers (including our sealed quench and cylindrical ranges).

Technical Specifications



	TP6100	TP6200	TP6300
Channels	10	20	
Temperature range	-100 to 1370 °C (-148 to 2498 °F) Dependent on thermocouple type (Type K shown)		
Connectivity	USB or Bluetooth*		
Maximum operating temperature	Alkaline/NiMH – 70 °C (158 °F) Lithium – 110 °C (230 °F)		
Memory capacity	4 million data points**		
Start/stop triggers	None (automatic), Manual, Rising/falling temperature, and time-based		
Sampling interval	0.1 sec to 50 mins no telemetry 2 sec to 50 mins RF telemetry*		
Accuracy	± 0.3 °C (0.5 °F) – Type K		
Resolution	0.1 °C (0.18 °F)		
Dimensions (LxWxH)	197 x 97 x 20 mm 7.8 x 3.8 x 0.8"	177 x 124 x 20 mm 7 x 4.9 x 0.8"	
Thermocouple types	J, T, K, N, R, S, and B (combinations available)		
Multiple run capability	Up to 10 profile runs before returning to PC		

*Contact Fluke Process Instruments for RF telemetry and Bluetooth availability in your country

**Memory capacity may be limited by battery life

Battery Options

The Datapaq TP6 is available with three different battery variants. The Lithium high-temperature battery, which is used exclusively with our range of evaporative thermal barriers, and the option between a NiMH or Alkaline battery, which depends on your intended usage.



	Alkaline	NiMH	Lithium
Part number	BPO011	BP6010	BPO021
Cells	(4 AA Alkaline cells)	N/A	(4 AA Lithium cells)
Rechargeable	No	Yes	No
Battery life**	450 Hrs	200 Hrs	500 Hrs

**Memory capacity may be limited by battery life

TP6 Commercial Part Numbers



- TP6116 - 10 Channel, NiMH, Type K
- TP6216 - 20 Channel, NiMH, Type K
- TP6136 - 10 Channel, Alkaline, Type K
- TP6236 - 20 Channel, Alkaline, Type K



**TP6 = TP6
Logger**



Thermocouple Type 6 = K, 9 = N
0 = Generic Mix
-TM = Fitted with RF Transmitter

Channels

- 1** 10 Channels CS1
- 2** 20 Channels CS1
- 3** 20 Channels CS2

Battery type

- 1** NiMH
- 2** Li HT
- 3** Alkaline



Datapaq Insight™ for Mobile

Eliminate the need for a PC on the factory floor with Datapaq Insight™ for Mobile



Our Insight™ for Mobile software allows you to reset, download, and analyze thermocouple operation on your tablet or smartphone via Bluetooth connection.



The Fluke Process Instruments Guarantee

Each Fluke Process Instruments system is supported with a full one year warranty. Service contracts available: Complementing the warranty, we offer a yearly service and recalibration contract, which includes free software updates and loan equipment for guaranteed peace of mind.

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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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