

Technical Data

Datapaq® DP5

First of a new generation of profiling solutions from
Fluke Process Instruments



The Datapaq DP5 range of loggers is intended for use in short and medium duration thermal processes; the design is optimized for low height and fast reading capabilities.

The Datapaq DP5 has been designed to ensure minimum cost of use and achieves this by making use of 'off the shelf' charging and communication leads.

In addition all of the Datapaq DP5 loggers feature a rechargeable and user replaceable NiMH battery pack, combining ease of use with lowest running costs. The user replaceable battery charges from flat to usable in just five minutes. A full charge takes only 90 minutes and can provide 20 profile runs.

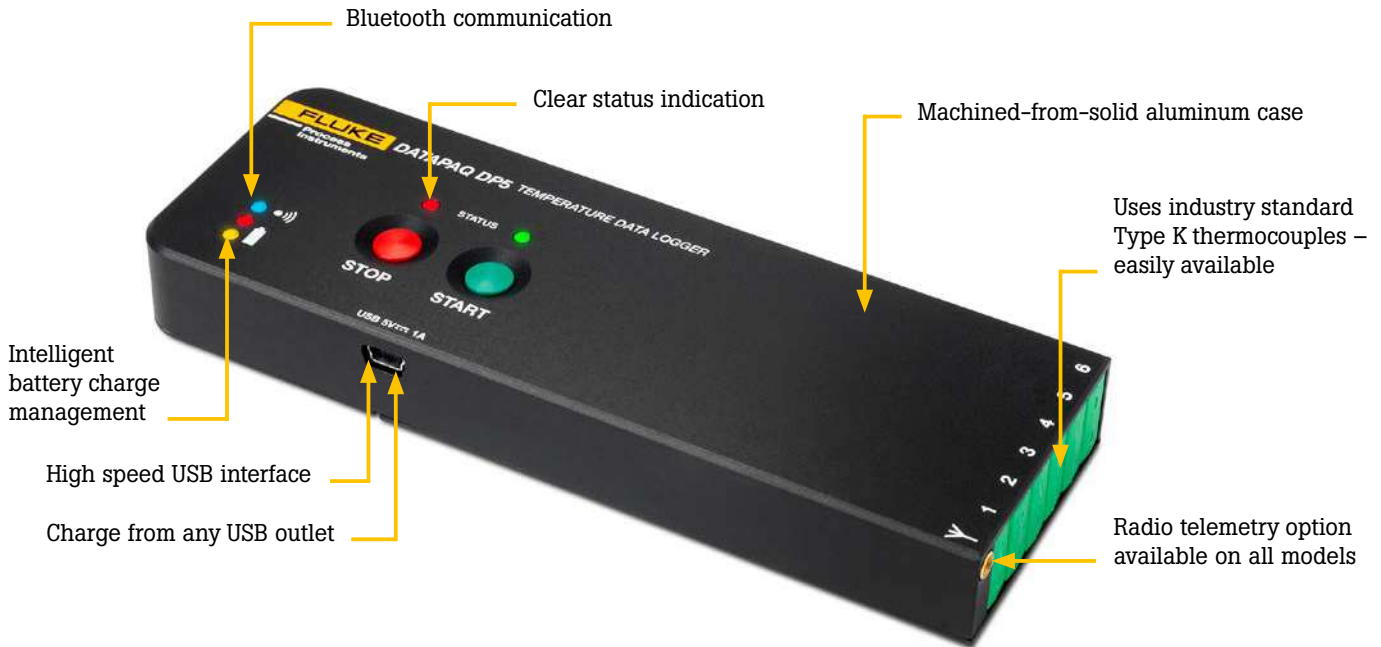
Available in 6 and 12 channel configurations, with logger height as low as 11.7 mm (0.46 in) and as narrow as 57 mm (2.24 in) – choose the unit to fit your process.

- Communication with the Insight software is via USB or Bluetooth
- Compatible with the TM21 radio telemetry system enabling real time data collection from the harshest of environments.*

The Datapaq DP5 is available in a number of formats ensuring the best match of profiler to process restrictions.

** Contact Fluke Process Instruments for availability of telemetry/Bluetooth in your country.*

Data Logger Datapaq DP5



Rugged

The Datapaq DP5 is housed in a 'machined from solid' aluminum case ensuring maximum protection for the electronics when used in an industrial environment.

Easy to use

The simple color coded two button interface ensures the system is easy to use.

Ready for use

The ability to recharge from any USB outlet results in a logger that is always ready for use. The USB charging combined with a logging time in excess of 24 hrs, on a single charge, ensures Datapaq DP5 is ready when needed.

Time saving – multiple profile capability

The logger can store up to 10 profile runs before being returned to the PC for download and detailed analysis. This enables rapid verification of a number of ovens with no wasted time

Immediate results – from within the process

The powerful built-in & harsh-environment radio transmitter provides real time data from within the process opening a 'window' into the process, speeding up fault finding and process optimizations.

DP5660

The most frequently specified version of the Datapaq DP5, the DP5660, is used in short duration low height processes in electronics and coating curing applications.

DP5661

The DP5661 is used where height and width are both severely limited.

DP5662

The DP5662 is used where width is limited.

DP5612


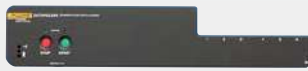
The DP5612 offers 12 channel capability in an easy to use and rugged package using standard thermocouple connectors.

DP5622

The DP5622 a 12 channel logger for use where width is limited.

Technical Specifications

Data Logger Datapaq DP5

Model	DP5660	DP5661
Height	11.7 mm (0.46 in)	11.7 mm (0.46 in)
Width	106 mm (4.10 in)	60 mm (2.30 in)
Length	150 mm (5.90 in)	301 mm (11.8 in)
Weight	0.3 kg (0.66 lbs)	0.3 kg (0.66 lbs)
		

Model	DP5662	DP5612	DP5622
Height	20 mm (0.70 in)	20 mm (0.70 in)	20 mm (0.70 in)
Width	57 mm (2.20 in)	106 mm (4.10 in)	60 mm (2.3 in)
Length	165 mm (6.40 in)	165 mm (6.40 in)	237 mm (9.3 in)
Weight	0.3 kg (0.66 lbs)	0.3 kg (0.66 lbs)	0.3 kg (0.66 lbs)
			

Number of channels	6 or 12
Thermocouple types	Type K using industry standard miniature sockets (N and T versions are available to order)
Temperature measurement range	-100 °C to 1,370 °C (-148 °F to 2,498 °F)
Accuracy	+/- 0.5 °C (+/-0.9 °F) (for sampling interval > 0.4 seconds)
Resolution	0.1 °C (+/- 0.18 °F)
Sampling speed	50 ms to 10 minutes
Maximum operating temperature	85 °C (185 °F) <i>NOTE: to preserve the accuracy of the readings the logger will switch off at this temperature and warn the operator.</i>
Start triggers	Manual, rising temperature and time triggers can be used to start the logger
Stop triggers	Manual and falling temperature to stop the logger
Memory size	50,000 readings per channel (fixed)
Battery life	Up to 25 hours continuous measurements at 1 second sampling or 20 profile runs at 0.5 second with download to PC
Battery charge time	1.5 hours from flat using USB power outlet, 14 hours from PC
Multiple run capability	Up to 10 profile runs before returning to PC
Communication	USB A to USB mini B connection cable
Bluetooth	Up to 5 m (16 ft) range can be used for reset/download and real time data collection

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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