

### 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.**

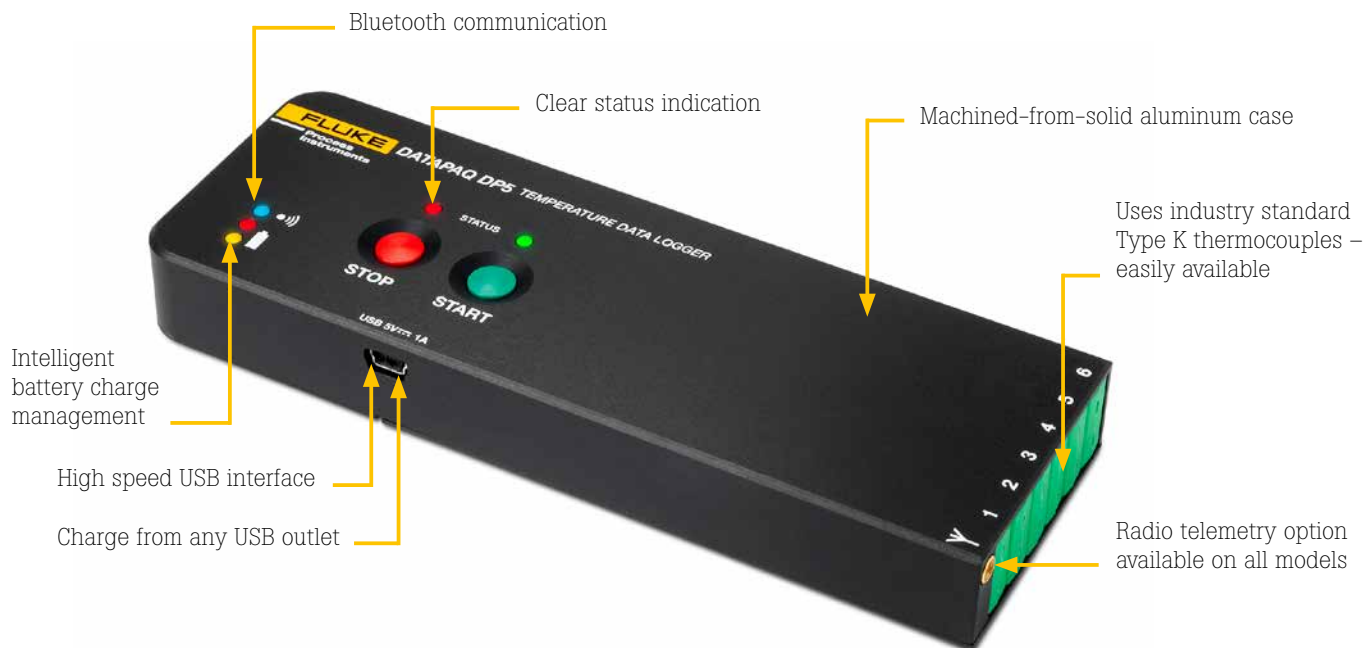
Available in 6 and 12 channel configurations, with logger height as low as 11.7 mm (0.46 in) and as narrow as 57 mm (2.24 in) – choose the unit to fit your process.

- 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 24hrs, 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.

## 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   |
|--------|---|--|
| Height | 20.0 mm (0.70 in)   | 20.0 mm (0.70 in)  |
| Width  | 57 mm (2.20 in)   | 106 mm (4.10 in)   |
| Length | 165 mm (6.40 in)  | 165 mm (6.40 in)   |
| Weight | 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                | 50ms 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.

## Fluke Process Instruments

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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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Specifications subject to change without notice.

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