

**Technical Data**

# Surveyor

for frequent and repeatable monitoring of your reflow oven performance



The Datapaq® Surveyor enables operators to monitor reflow oven performance quickly and easily. It comprises automatic analysis software, custom thermocouple sensors and an adjustable width frame.

Once the correct profile has been setup, the Surveyor is passed through the oven to establish a baseline profile. Subsequent checking of the oven performance against the baseline is easily conducted by line operators. Any change in performance is detected by the automatic analysis software and a clear indication given.

- Provides quick Go/No Go result for line operators.
- Compatible with all soldering profiles.
- The Surveyor software functionality is supplied in the Reflow tracker professional software.

## System Features

Automatic analysis and simple-to-interpret traffic light indicators show immediately whether the profile is within tolerance or not.

Surveyor Wizards guide users step-by-step through the software, enabling unskilled operators to obtain consistent and reliable profile data.

SPC (Statistical Process Control) calculations enable the technician to monitor oven performance over time and use the software to advise whether the profile will be out of tolerance in the future.



Datapaq Insight Reflow Tracker Professional Software

**REFLOW OVEN TEMPERATURE  
PROFILING HAS NEVER BEEN  
SO EASY!**

## Technical Specifications

### Surveyor Frames

**PA0883** For use with data logger DP5660  
Width: 146mm to 350mm (with extension fitted and used with DP5660 and TB2015)  
Height with TB2015: 22 mm above edge rail  
Length maximum: 520mm when fully closed with TB2015  
Weight: 0.8kg

**PA0884** For use with data logger DP5662 and DP5612  
Width 98mm to 350mm (with extension fitted and used with DP5662 and TB2020)  
Height with TB2020: 21 mm above the edge rail  
Length maximum: 510mm when fully closed with TB2020  
Weight: 0.8kg

### Thermocouple Sensors – PA0885 (horizontal plug) and PA0886 (vertical plug)

Each system has 6 specially designed thermocouple sensors that combine robust design with rapid cool down times, allowing frequent use. These sensors will detect changes in oven performance before it affects product quality and they won't degrade with use.

### Datapaq Insight Reflow Tracker Professional

The Surveyor software is featured in Reflow Tracker Professional and provides a fully integrated solution for frequent oven monitoring and detailed profiling. Only one software is required to accomplish all of the oven profiling needs and minimizes training requirements, while maintaining full functionality.

The software operates on two levels of access:

The **Operator** is guided step by step through the resetting of the logger and downloading of the profile results. The software automatically stores the results, compares them to the baseline and informs the user of pass/fail via a simple red/green indicator. Eliminating the possibility of error and ensuring maximum reproducibility of results. This results in trouble free frequent process checking.

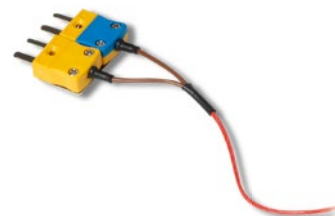
The **Technician** has full access to in-depth analysis, file management and SPC tools within the software. This access can be password protected to prevent erasure or loss of information, due to use by inexperienced/unauthorized users.

### The Fluke Process Instruments Guarantee

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



Surveyor frame



Horizontal dual thermocouple plug



Vertical dual thermocouple plug

## Fluke Process Instruments

### Americas

Salem, NH USA  
Tel: +1 425 446 6780  
[sales@flukeprocessinstruments.com](mailto:sales@flukeprocessinstruments.com)

### EMEA

Cambridge, UK  
Tel: +44 1223 652 400  
[sales@flukeprocessinstruments.co.uk](mailto:sales@flukeprocessinstruments.co.uk)

### China

Beijing, China  
Tel: +86 10 6438 4691  
[sales@flukeprocessinstruments.com.cn](mailto:sales@flukeprocessinstruments.com.cn)

### Asia East and South

India Tel: +91 22 2920 7691  
Singapore Tel: +65 6799 5596  
[sales.asia@flukeprocessinstruments.com](mailto:sales.asia@flukeprocessinstruments.com)

### Worldwide Service

Fluke Process Instruments offers services, including repair and calibration. For more information, contact your local office.

[www.flukeprocessinstruments.com](http://www.flukeprocessinstruments.com)

© 2018 Fluke Process Instruments  
Specifications subject to change without notice.  
12/2018 Reflow\_surveyor\_DS\_EN\_Rev A