

# Datapaq Reflow Tracker® Accessories List



## DATA LOGGERS

### Datapaq DP5 Logger

The Datapaq DP5 data logger is designed for use in a wide range of heat-treatment applications.

- A range of **model sizes**, including narrow and low-height versions (see below), to suit different ovens and applications.
- Six or 12 **thermocouple channels** (depending on model) for maximum data collection on each run.
- Huge **memory capacity** for detailed process analysis: a total of 50,000 data-points over each data-channel.
- Can be specified for use with **thermocouple types K, N or T**.
- Powered by user-replaceable **rechargeable NiMH batteries**.
- High **accuracy** for compliance to tight specifications:  $\pm 0.5^{\circ}\text{C}/0.9^{\circ}\text{F}$  for most purposes.
- **USB** communication and charging.
- **Hardwired telemetry** and (if specified for use with optional TM21 system) **radio telemetry** for monitoring in real time – both with full analysis functions and alarms to warn the user if the process is out of specification.
- Aluminum case and rugged electronics allow operation in **harsh environments** of dust, pressure and vacuum.
- **Multiple-run** capability.

	<b>DP5 Standard 6-channel DP5x60<sup>1</sup></b>	<b>DP5 Narrow 6-channel DP5x62</b>	<b>DP5 Super-slim 6-channel DP5x61</b>	<b>DP5 12-channel DP5x12</b>
<b>Height</b>	11.7 mm 0.46 in.	20 mm 0.8 in.	11.7 mm 0.46 in.	20 mm 0.8 in.
<b>Width</b>	106 mm 4.2 in.	57 mm 2.2 in.	60 mm 2.4 in.	106 mm 4.2 in.
<b>Length</b>	150 mm 5.9 in.	165 mm 6.5 in.	301 mm 11.9 in.	165 mm 6.5 in.

<sup>1</sup> Second numeral in part number (x) represents thermocouple type: 2 = type T, 6 = type K, 9 = type N.

### DQ1804 Q18 Micro Logger

A reduced-size but powerful four-channel logger, for processes where space is especially limited.

- Capacity for **32,000 data-points** over each channel.
- For **type K** thermocouples.
- Powered by user-replaceable **rechargeable NiMH batteries**.
- **Hardwired telemetry**.
- **Dimensions:** 17.3 × 35 × 149 mm/0.68 × 1.4 × 5.9 in.

## LOGGER CABLES, CHARGER AND BATTERIES

### CI1150 USB Communications/Charging Lead for Datapaq DP5 Logger

Connects logger to PC to enable logger reset, data download or display of real-time data-collection. Permits charging from charger CH0080 or from USB port of PC.

## CI3029 USB Communications Lead for Q18 Logger

Connects logger to PC to enable logger reset, data download or display of real-time data-collection. NB Charging of Q18 logger is done only by using CH0070 charger, not via communications lead.



## CH0080 Charger/Power-supply Unit for Datapaq DP5 logger

Can be used as an alternative to charging the DP5 logger via a PC's USB port. Requires also the CI1150 USB communications/charging lead.



## CH0070B Charger/Power-supply Unit for Q18/TM21

For Q18 logger (p. 1), and TM21 primary receiver (p. 7).

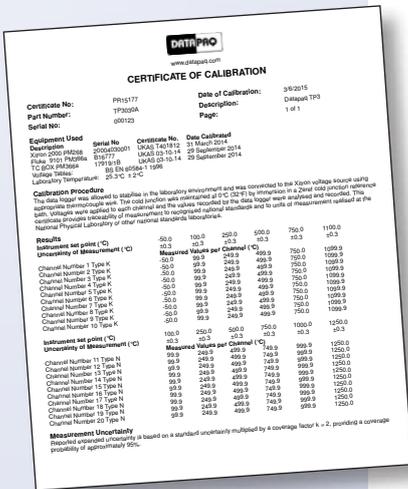


## BP1080 Battery-pack for Datapaq DP5 Logger

NiMH rechargeable battery-pack, 2.4 V, 500 mAh. Can be replaced by user. *Only Datapaq battery-packs are suitable for this logger.*

## BP1077 Battery-pack for Q18 Micro Logger DQ1804

NiMH rechargeable battery-pack, 2.4 V, 500 mAh. Can be replaced by user. *Only Datapaq battery-packs are suitable for this logger.*



## CALIBRATION AND SERVICE

### RC0001 Recalibration of Datapaq DP5 Data Logger

Comprises:

- Electronic calibration and adjustment of logger.
- Issue of calibration certificate traceable to national standards.
- Full test of functionality including battery testing, 14-hr thermal-stress testing and temperature-stability testing.

### RC0005 Fixed Standard Recalibration/Service of Datapaq DP5 Data Logger

As RC0001 (above), plus minor repairs such as replacement of electronic components.

### RC0006 Fixed ISO 17025 Recalibration/Service of Datapaq DP5 Data Logger

As RC0005 (above), including issue of ISO 17025 accredited calibration certificate.

### SC0002 Service Contract, 12 months, for Datapaq DP5 Data Logger

Comprises:

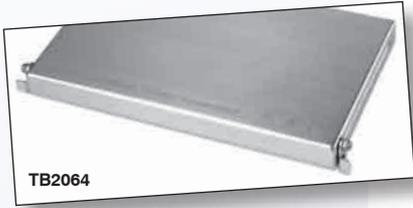
- Use of loan equipment in case of any failure or damage.
- Electronic calibration and adjustment of logger.
- Issue of ISO 17025 accredited calibration certificate if applicable.
- Full test of functionality including battery testing, 14-hr thermal-stress testing and temperature-stability testing.
- Annual full service of equipment.
- Logger firmware and Insight software updates.
- Minor logger repairs.

## THERMAL BARRIERS

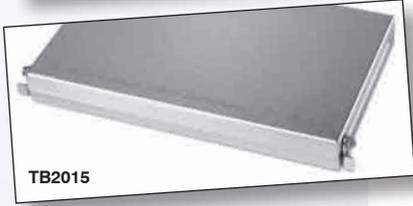
Thermal barriers to suit an extensive range of applications are available from stock or can be designed and built to order. Contact Fluke Process Instruments directly for guidance on barriers appropriate to the specific needs of your process.

### Barriers for Datapaq DP5 Logger Standard, 6-channel, DP5x60

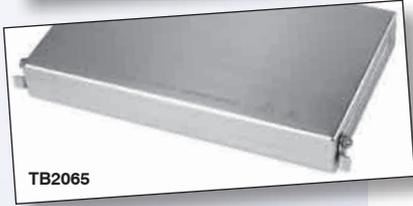
These barriers also fit Q18 standard 6-channel logger, DQ1860.



TB2064



TB2015



TB2065

#### TB2064 Low-height thermal barrier

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	25	12	9	8	6
<b>Dimensions</b>	Height 20 mm 0.8 in.	Width 133 mm 5.2 in.	Length 210 mm 8.3 in.	Weight 0.6 kg 1.3 lb	

#### TB2015 Most reflow soldering processes including lead-free

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	32	16	13	10	9
<b>Dimensions</b>	Height 25 mm 1.0 in.	Width 133 mm 5.2 in.	Length 210 mm 8.3 in.	Weight 0.7 kg 1.5 lb	

#### TB2065 Increased protection for frequent use or for long-duration processes

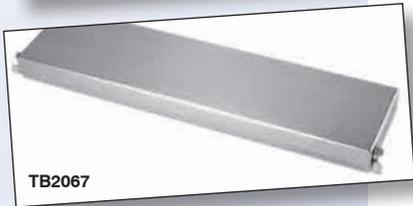
<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	35	18	13	11	10
<b>Dimensions</b>	Height 29 mm 1.1 in.	Width 133 mm 5.2 in.	Length 210 mm 8.3 in.	Weight 0.7 kg 1.5 lb	

### Barriers for Datapaq DP5 Logger Super-slim, 6-channel, DP5x61

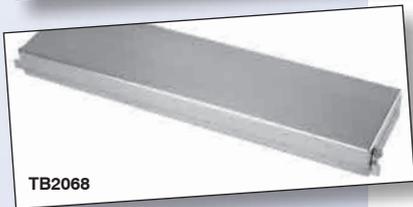
These barriers also fit Q18 super-slim 6-channel logger, DQ1861.



TB2066



TB2067



TB2068

#### TB2066 Low-height thermal barrier

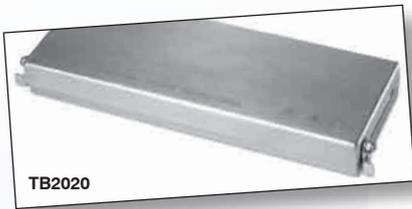
<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	21	11	8	6	6
<b>Dimensions</b>	Height 20 mm 0.8 in.	Width 88 mm 3.5 in.	Length 334 mm 13.1 in.	Weight 0.65 kg 1.4 lb	

#### TB2067 Most reflow soldering processes including lead-free

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	28	15	11	10	8
<b>Dimensions</b>	Height 25 mm 1.0 in.	Width 88 mm 3.5 in.	Length 334 mm 13.1 in.	Weight 0.75 kg 1.7 lb	

#### TB2068 Increased protection for frequent use or for long-duration processes

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	32	18	13	11	10
<b>Dimensions</b>	Height 29 mm 1.1 in.	Width 88 mm 3.5 in.	Length 334 mm 13.1 in.	Weight 0.8 kg 1.8 lb	



TB2020

## Barriers for Datapaq DP5 Logger Narrow, 6-channel, DP5x62

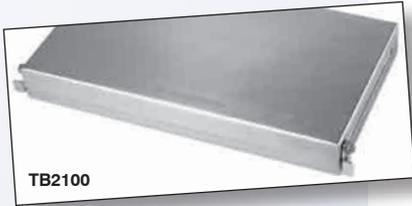
These barriers also fit Q18 narrow 6-channel logger, DQ1862.

### TB2020 Low-height thermal barrier

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	25	13	10	8	7
<b>Dimensions</b>	Height 28 mm 1.1 in.	Width 84 mm 3.3 in.	Length 241 mm 9.5 in.	Weight 0.5 kg 1.1 lb	

### TB2021 Most reflow soldering processes including lead-free

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	36	18	13	11	10
<b>Dimensions</b>	Height 35 mm 1.4 in.	Width 84 mm 3.3 in.	Length 241 mm 9.5 in.	Weight 0.65 kg 1.4 lb	

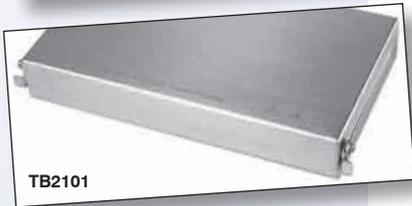


TB2100

## Barriers for Datapaq DP5 Logger, 12-channel, DP5x12

### TB2100 Low-height thermal barrier

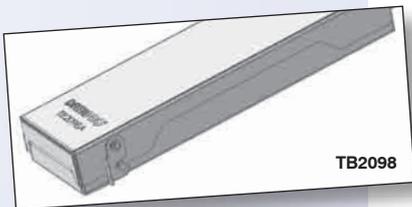
<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	25	13	10	8	7
<b>Dimensions</b>	Height 28 mm 1.1 in.	Width 133 mm 5.2 in.	Length 243 mm 9.6 in.	Weight 0.69 kg 1.5 lb	



TB2101

### TB2101 Most reflow soldering processes including lead-free

<b>Temp. °C</b>	100	150	200	250	280
<b>Duration (mins)</b>	36	18	13	11	10
<b>Dimensions</b>	Height 35 mm 1.4 in.	Width 133 mm 5.2 in.	Length 239 mm 9.4 in.	Weight 0.77 kg 1.7 lb	



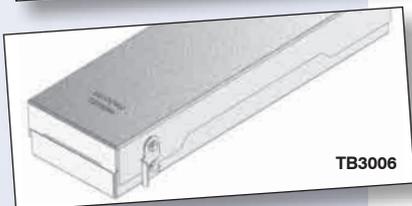
TB2098

## Barriers for Q18 Micro Logger DQ1804

### TB2098 Reflow soldering processes

Duration 10 mins at 200°C.

<b>Dimensions</b>	Height 27 mm 1.1 in.	Width 57 mm 2.2 in.	Length 190 mm 7.5 in.	Weight 0.4 kg 0.9 lb
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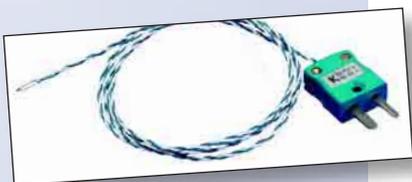


TB3006

### TB3006 Long-duration reflow soldering processes

Duration 14 mins at 200°C.

<b>Dimensions</b>	Height 32 mm 1.3 in.	Width 71 mm 2.8 in.	Length 194 mm 7.6 in.	Weight 0.6 kg 1.3 lb
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## THERMOCOUPLES

All thermocouples supplied for use with reflow and wave-solder systems are type K, with green connectors (conforming to IEC 60584-3).

For **wave solder** thermocouples, see p. 6.

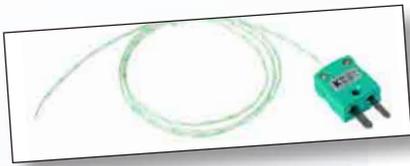
For **Surveyor** sensors (thermocouples), see p. 6.

### PA0210 Fast-response Exposed-junction Thermocouple

The standard thermocouple used throughout the reflow industry. Each conductor is PTFE-insulated and then twisted together to prevent tangling in use. Wire diameter of 0.2 mm/0.008 in provides good compromise between size and strength.

Thermocouple-tip is pre-tinned to ease soldering to PCB; use of activated flux and high-temperature solder recommended.

- **Conductor material** – Type K, Special Limits
- **Accuracy** –  $\pm 1.1^{\circ}\text{C}$  or  $\pm 0.4\%$ , whichever is greater
- **Length** – 800 mm/31.5 in. (*other lengths available under different part nos.*)
- **Conductor diameter** – 0.2 mm/0.008 in.
- **Temperature** – 265°C maximum



**PA0215 High-temperature Glass-fiber-insulated Thermocouple**

Exposed-junction thermocouple for continuous use up to 500°C. For best results, attach to PCB using an activated flux and high-temperature solder.

- **Conductor material** – Type K, Special Limits
- **Accuracy** –  $\pm 1.1^{\circ}\text{C}$  or  $\pm 0.4\%$ , whichever is greater
- **Length** – 800 mm/31.5 in.
- **Conductor diameter** – 0.2 mm/0.008 in.
- **Temperature** – 500°C maximum

**PA1610 Fast-response Thermocouple fitted with Micro-miniature Plug**  
PTFE-insulated thermocouple.

- **Conductor material** – Type K, Special Limits
- **Accuracy** –  $\pm 1.1^{\circ}\text{C}$  or  $\pm 0.4\%$ , whichever is greater
- **Length** – 500 mm/20.0 in.
- **Conductor diameter** – 0.2 mm/0.008 in.
- **Temperature** – 265°C maximum

**PA1630 Dip-solder Sensor fitted with Micro-miniature Plug**

For use with PA1650 selective-soldering sensor. Wire length 275 mm/10.8 in.

**PA1683 Fine-wire Thermocouple for Use on Ball-grid Arrays (BGAs)**

Developed specifically for use with BGA and ultra-fine-pitch surface-mount components. The conductors are 0.1 mm/0.004 in. in diameter, each insulated with PTFE, and the two conductors are then over-wrapped with a single outer PTFE sheath to prevent tangling in use. Accepted practice for BGAs is to drill through the PCB, insert the thermocouple-tip until it touches a ball, and then bond in place. For best results, attach using an activated flux and high-temperature solder.

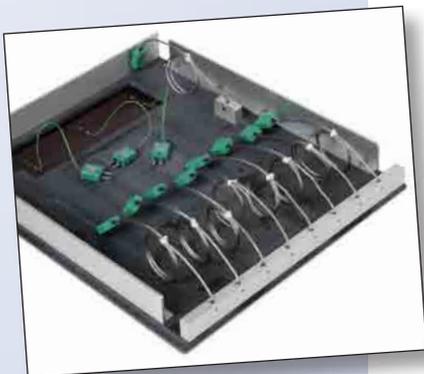
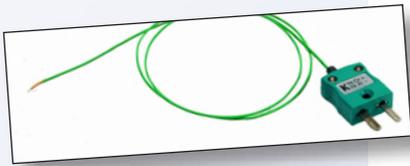
- **Conductor material** – Type K, British Standard Class 1
- **Accuracy** –  $\pm 1.5^{\circ}\text{C}$  or  $\pm 0.4\%$ , whichever is greater
- **Length** – 500 mm/19.7 in.
- **Conductor diameter** – 0.1 mm/0.004 in.
- **Temperature** – 265°C maximum

**PA1600 Micro-miniature Thermocouple Plugs (Type K) for Q18 Micro Logger**

Bag of 8 spare plugs for wiring to customer's own type K thermocouples.

**HT0090 High-temperature Adhesive Tape**

For holding thermocouple cables in place where they run over the PCB. Pressure-sensitive silicone adhesive. Maximum 400°C. 30-m/98.4-ft reel.



**WAVE SOLDER**

The Wave Solder system utilizes a pallet which carries the thermal barrier/logger assembly through the process.

**Wave-solder Pallet CS5000 fitted with Dummy PCB and Additional Thermocouples**

Comprises:

- CS5000 pallet (including fitted CS5000A10 dummy PCB or 'test coupon'; see below).
- Additional thermocouples (fitted) to suit either 6- or 12-channel systems.

Suitable thermal barriers: TB2015, TB2064, TB2065, TB2020, TB2021, TB2100, TB2101.

Dimensions	Height	Width	Length	Weight
	40 mm	300 mm	350 mm	1.80 kg
	1.6 in.	11.8 in.	13.8 in.	4.0 lb

**CS5006** Fitted with three additional PA1321 thermocouples, for a 6-channel system.

**CS5012** Fitted with nine additional PA1321 thermocouples, for a 12-channel system (*illustrated; see also p. 10*).

**CS5000 Wave-solder Pallet with Dummy PCB**

Pallet fitted with CS5000A10 dummy PCB ('test coupon') assembly (no additional wave-contact thermocouples).

### CS5000A10 Dummy PCB for Wave-solder Pallet CS5000

Dummy PCB ('test coupon') assembly with three fixed type-K thermocouples – as fitted to CS5000 pallet.

### PA1321 Wave-contact Thermocouple for Wave-solder Pallet Assemblies CS5006, CS5012

Steel-braided thermocouple.

- **Accuracy** –  $\pm 1.1^{\circ}\text{C}$  or  $\pm 0.4\%$ , whichever is greater
- **Length** – 420 mm/16.5 in.

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## SURVEYOR

The Surveyor system monitors an oven's performance in order to assess its stability over time. A standard instrumented frame carrying a thermal barrier/logger assembly gathers data which is analyzed by Insight™ software and compared with results from a previous baseline survey. An operator can thus quickly assess whether adjustment of oven settings is required. (For use with Insight Reflow Tracker Professional only.)

### Surveyor Carrier Frame

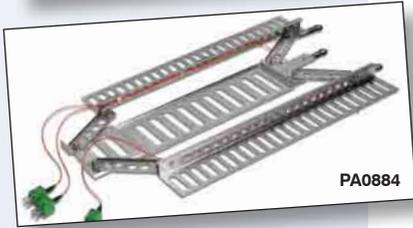
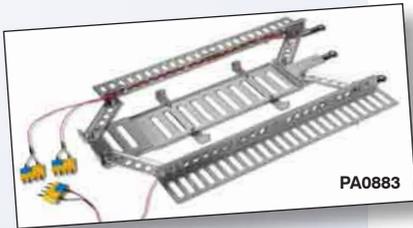
The frame carries the Datapaq DP5 logger (inside its thermal barrier) and three fixed sensors, and is adjustable in width to adapt easily to your oven's conveyor. The standard frame accommodates both six- and 12-channel DP5 loggers, but no more than six channels can be used.

Dimensions	Height	Width	Length	Weight
	28 mm	100–350 mm	456–517 mm	0.93 kg
	1.1 in.	3.95–13.7 in.	18.0–20.4 in.	2.0 lb

**PA0878** Surveyor carrier frame without sensors.

**PA0883** Surveyor carrier frame PA0878 fitted with sensors using PA0885 plugs (as below) to fit standard 6-channel DP5 logger (see also p. 11).

**PA0884** Surveyor carrier frame PA0878 fitted with sensors using PA0886 plugs (as below) to fit narrow 6-channel and standard 12-channel DP5 loggers.



### Sensors for Surveyor Carrier Frame PA0878

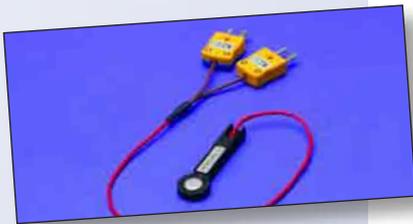
Each sensor has two thermocouples – on its upper- and underside.

**PA0885** Sensor with pair of plugs fixed side-by-side, for standard 6-channel Datapaq DP5 logger.

**PA0886** Sensor with pair of plugs face-to-face, for narrow 6-channel and standard 12-channel DP5 loggers.

### Sensor for Surveyor Carrier Frames PA0872, PA0874, PA0876 (pre-2018)

**PA0866** Sensor for use in all positions on older carrier frames.



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## RADIO TELEMETRY

### TM0100 TM21 Primary Receiver Kit

Complete operating primary receiver. Comprises:

- Primary receiver, region-specific – Europe RX4200, USA RX4100, rest of world RX4000.
- Primary-receiver antenna RX1010.
- Terminator TM1060.
- Power supply CH0070.

Contact Datapaq for other country-specific part numbers.





### TM21 Primary Receiver

Basic unit without accessories.

- RX4200** Europe
- RX4100** USA
- RX4000** Japan and rest of world

Contact Datapaq for other country-specific part numbers.



### TM21 Secondary Receiver Kit with Extension Cable

Receiver kit using remote UGEF antenna to extend receiving range for short continuous furnaces. Comprises:

- 1 × TM21 secondary receiver kit TM0200 (see below).
- 1 × RS485 connecting cable.

- TM21-ARX-10** With 10-m cable TM1042.
- TM21-ARX-45** With 45-m cable TM1045.



### TM0200 TM21 Secondary Receiver Kit

Complete operating secondary receiver. Comprises:

- Secondary receiver, region-specific – Europe RX4201, USA RX4101, Japan and rest of world RX4001.
- UGEF antenna RX1023.
- Receiver antenna stand RX1020.
- UGEF antenna and receiver-box mounting kit RX2502.

Contact Datapaq for country-specific part numbers.



### TM21 Secondary Receiver

Basic unit without accessories.

- RX4201** Europe
- RX4101** USA
- RX4001** Japan and rest of world

Contact Datapaq for other country-specific part numbers.



### RS485 Cable to Link Primary and Secondary Receivers

Supplied on reel.

- TM1042** 10 m/32.8 ft
- TM1045** 45 m/147.6 ft
- TM1046** 100 m/328.1 ft



### TM1060 TM21 RS485 Terminator

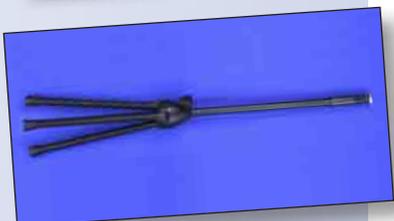
To be connected to last secondary receiver in a chain of receivers; or to primary receiver if it is the only one in the system.



### UGEf Antenna, Europe and Japan

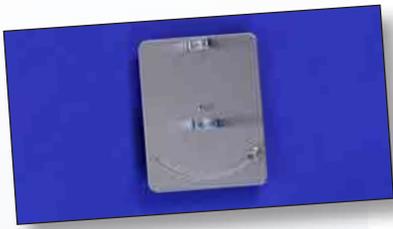
Unity-gain end-feed antenna for receiving signal outside the process. Frequency set to for 434.5 MHz for Europe, 429.5 MHz for Japan. Supplied with low-loss coaxial cable as follows.

- RX1023** With 1-m/3.3-ft cable.
- RX1036** With 10-m/32.8-ft cable.
- RX1037** With 20-m/65.6-ft cable.
- RX1038** With 40-m/131.2-ft cable.



### RX1020 UGEf Antenna Stand

For use with antenna RX1023, RX1036, RX1037 or RX1038. Must be used with bracket RX2500.



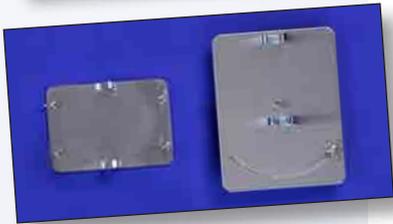
### RX2500 UGEF Antenna Mounting Bracket

For mounting UGEF antenna RX1023, etc., on UGEF antenna stand RX10120. Allows antenna to rotate about horizontal axis.



### RX2501 TM21 Receiver-box Mounting Assembly

For mounting secondary receiver RX4201, etc., on UGEF antenna stand below antenna.



### RX2502 UGEF Antenna and Receiver-box Mounting Kit

Used with antenna stand RX1020 to hold secondary receiver and UGEF antenna. Comprises:

- UGEF antenna mounting bracket RX2500.
- Receiver-box mounting assembly RX2501.

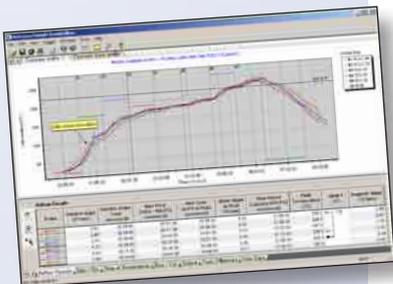
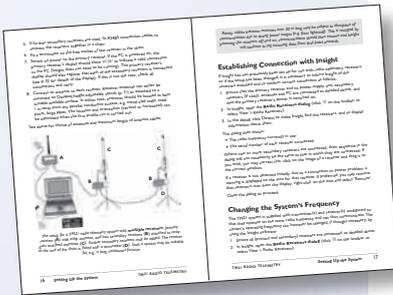
### TX2200 Transmitter Antenna

For reflow processes. Maximum temperature 265°C.

### TM21 Radio-telemetry System User Manual

Full information on setup and operation of single- and multiple-receiver systems.

MA5946	Chinese, Simplified	MA5940	English	MA5945	Italian	MA5944	Portuguese
MA5941	Chinese, Traditional	MA5942	French	MA5947	Japanese	MA5943	Spanish
		MA5941	German	MA5948	Korean		



## INSIGHT SOFTWARE

Check [www.flukeprocessinstruments.com](http://www.flukeprocessinstruments.com) for latest Insight™ version and features.

### Insight Reflow Tracker

A complete software system for monitoring and analyzing the temperature profiles of products in the reflow industry; accurate data acquisition and powerful analysis techniques are combined with flexibility and ease of use; includes Easy Oven Setup to predict the oven settings that will produce a required temperature profile. Available in various languages. Incorporates comprehensive online Help system.

SW5066	Chinese, Simplified	SW50610	Czech	SW5067	Italian	SW50612	Russian
SW50611	Chinese, Traditional	SW5060	English	SW5065	Japanese	SW5069	Slovak
		SW5061	French	SW5068	Korean	SW5063	Spanish
		SW5062	German	SW5064	Portuguese	SW50614	Vietnamese

### Insight Reflow Tracker Professional

All the functionality of Insight Reflow Tracker, plus Surveyor to monitor your oven's performance (see p. 6).

SW5066P	Chinese, Simplified	SW50610P	Czech	SW5067P	Italian	SW50612P	Russian
SW50611P	Chinese, Traditional	SW5060P	English	SW5065P	Japanese	SW5069P	Slovak
		SW5061P	French	SW5068P	Korean	SW5063P	Spanish
		SW5062P	German	SW5064P	Portuguese	SW50614P	Vietnamese

## Insight Reflow Tracker Basic

A reduced feature set, but with full analysis options and wizard-driven procedures. Supplied with printed *Quick Reference Guide* (not available in all languages).

SW5066B	Chinese, Simplified	SW50610B	Czech	SW5067B	Italian	SW50612B	Russian
		SW5060B	English	SW5065B	Japanese	SW5069B	Slovak
SW50611B	Chinese, Traditional	SW5061B	French	SW5068B	Korean	SW5063B	Spanish
		SW5062B	German	SW5064B	Portuguese	SW50614B	Vietnamese

## Upgrade to current Insight Reflow Tracker from earlier version

UG5066	Chinese, Simplified	UG50610	Czech	UG5067	Italian	UG50612	Russian
		UG5060	English	UG5065	Japanese	UG5069	Slovak
UG50611	Chinese, Traditional	UG5061	French	UG5068	Korean	UG5063	Spanish
		UG5062	German	UG5064	Portuguese	UG50614	Vietnamese

## Upgrade to Insight Reflow Tracker from Insight Reflow Tracker Basic

UG5166	Chinese, Simplified	UG51610	Czech	UG5167	Italian	UG51612	Russian
		UG5160	English	UG5165	Japanese	UG5169	Slovak
UG51611	Chinese, Traditional	UG5161	French	UG5168	Korean	UG5163	Spanish
		UG5162	German	UG5164	Portuguese	UG51614	Vietnamese

## Upgrade to Insight Reflow Tracker Professional from Insight Reflow Tracker

UG5266	Chinese, Simplified	UG52610	Czech	UG5267	Italian	UG52612	Russian
		UG5260	English	UG5265	Japanese	UG5269	Slovak
UG52611	Chinese, Traditional	UG5261	French	UG5268	Korean	UG5263	Spanish
		UG5262	German	UG5264	Portuguese	UG52614	Vietnamese

## USER DOCUMENTATION

For **radio telemetry**, see p. 8.

User documents in appropriate languages (as available) are provided in printed form with software purchases, full and upgrade. They are also available separately, as follows. (All versions of Insight software also contain a comprehensive online Help system.)

<i>Datapaq DP5 Data Logger</i> <i>User Manual</i>	<i>Q4 &amp; Q18 Data Loggers</i> <i>User Manual</i>	<i>Reflow Tracker</i> <i>User Manual</i>
MA5740 English	MA5110 English	MA5120 English
MA5741 German	MA5111 German	MA5121 German
MA5742 French	MA5112 French	MA5122 French
MA5743 Spanish	MA5113 Spanish	MA5123 Spanish
MA5745 Italian	MA5115 Italian	MA5125 Italian
MA5746 Simplified Chinese	MA5116 Simplified Chinese	MA5126 Simplified Chinese
MA5747 Japanese	MA5117 Japanese	MA5127 Japanese

*EasyReflow [Reflow Tracker Basic]*

*Quick Reference Guide*

MA6000	English
MA6006	Simplified Chinese
MA60011	Traditional Chinese

## BAGS AND CASES

### CC0048 Soft Carry-bag

With shoulder strap, to provide convenient transportability for a complete Reflow Tracker system, including a thermal barrier (*shown with system in place; see also p. 12*).





Datapaq wave-solder pallet  
with TB2100 thermal barrier and  
12-channel Datapaq DP5 logger in place

The Datapaq Surveyor system with  
6-channel Datapaq DP5 logger  
installed in the  
TB2015 thermal barrier



A typical Datapaq  
Reflow Tracker  
system, with  
12-channel  
Datapaq DP5  
logger



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### 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)

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06/2018 MA8760-Reflow-Accessories-List-En-v1

