

# Food Tracker®

## Data Loggers



<b>DP2162A</b>	Type T thermocouple	6 channels
<b>DP2166A</b>	Type K thermocouple	6 channels
<b>DP2182A</b>	Type T thermocouple Humidity option 1 channel / RF telemetry option	8 channels
<b>DP2186A</b>	Type K thermocouple Humidity option 1 channel / RF telemetry option	8 channels
<b>Accuracy</b>	±0.2°C (±0.4°F)	
<b>Resolution</b>	±0.1°C (±0.2°F)	
<b>Thermocouple Type</b>	T and K	
<b>Measurement Range</b>	Type K -150°C to 1370°C (-238°F to 2498°F) Type T -196°C to 400°C (-320°F to 752°F)	
<b>Operating Temperature</b>	-40°C to 85°C (-40°F to 185°F) <i>without thermal barrier</i>	
<b>Humidity Option</b>	Available on 8 channel system	
<b>Real-time Monitoring</b>	8 channel system: Hardwired (via comms cable) Standard/RF telemetry option (TM21)	
	6 channel system: Hardwired (via comms cable) standard	
<b>Protection</b>	IP67 (submersion in water at 1 m (3.2 ft) depth for 30 minutes) <i>without thermal barrier</i>	
<b>Sample Interval</b>	0.5 seconds to 50 minutes (standard use—temperature only) 2.0 seconds to 50 minutes (radio telemetry—temperature only) 2.0 seconds to 50 minutes (temperature and humidity measurement)	
<b>Memory</b>	1.81 MB 16 hours data collection (8 thermocouples / 0.5 second sampling)	

# TECHNICAL SPECIFICATIONS

<b>Communications</b>	Serial or USB computer interface
<b>CI1025</b>	Serial cable (RS232)
<b>CI1026</b>	USB cable

## Communication socket cap

Datalogger communications port cap providing protection from dirt and water/salt damage.

## Thermocouple plug shroud

Used for mounting thermocouples for repeat runs, so they can be plugged into the logger in one action, guaranteeing the correct thermocouple is plugged into the correct channel position on the logger.

<b>CI131</b>	8 channel plug shroud
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## Channel blanking plug

**DP1213A**-Inserted into any channel not fitted with a thermocouple to provide protection to the connector from dirt, etc. and waterproofing

## Operation

Multiple Runs (up to 8 individual repeat runs before download)

## Data collection start

Start/Stop button, temperature rise/fall, date and time

## Battery

Rechargeable NiMH (recharge time 2.5 hours)

## Battery Life (full charge)

Temperature, only (0.5 second sample interval) = 120 hours

Temperature, only (10 minutes sample interval) = 250 hours

Telemetry (2.0 second sample interval) = 65 hours

Humidity (2.0 second sample interval) = 120 hours

<b>CH0070</b>	Battery Charger (International)
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Supplied with pin configuration to suit region



Thermocouple Plug Shroud



Channel Blanking Plugs

## Fluke Process Instruments

### EMEA

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

### Americas

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

### 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

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