



Fluke Process Instruments

# Food Tracker<sup>®</sup>

## Data Loggers

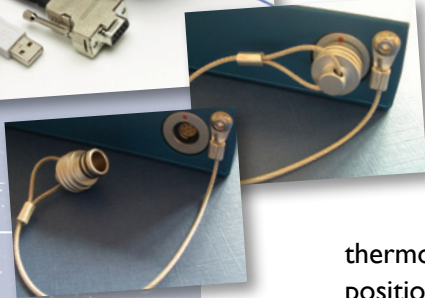


<b>DP2162A</b>	Type T thermocouple	6 channels
<b>DP2166A</b>	Type K thermocouple	6 channels
<b>DP2182A</b>	Type T thermocouple	8 channels
	Humidity option 1 channel / RF telemetry option	
<b>DP2186A</b>	Type K thermocouple	8 channels
	Humidity option 1 channel / RF telemetry option	
<b>Accuracy</b>	±0.2°C (±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>	1.81MB 16 hours data collection (8 thermocouples / 0.5 second sampling)	

# TECHNICAL SPECIFICATIONS



<b>Communications</b>	Serial or USB computer interface
<b>CI 1025</b>	Serial cable (RS232)
<b>CI 1026</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.



**CI 131** 8 channel plug shroud

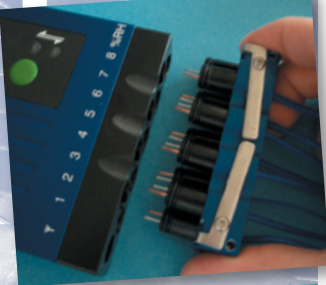
**Channel blanking plug DPI213A**-Inserted into any channel not fitted with a thermocouple to provide protection to the connector from dirt, etc. and waterproofing

**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)

Thermocouple Plug Shroud



## 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

**CH0070** Battery Charger (International)  
Supplied with pin configuration to suit the region



Channel Blanking Plugs

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**Worldwide Service**  
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