

Food Tracker®

Data Loggers



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

TECHNICAL SPECIFICATIONS

Communications

CI1025

Serial or USB computer interface

CI1026

Serial cable (RS232)

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.

CI131

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)

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

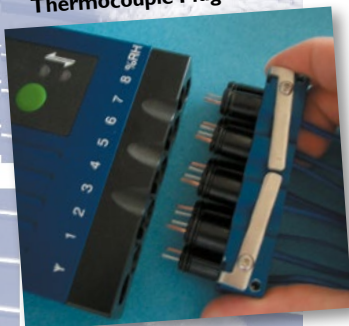
CH0070

Battery Charger (International)

Supplied with pin configuration to suit region



Thermocouple Plug Shroud



Channel Blanking Plugs

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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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