



Fluke Process Instruments

Food Tracker[®]

Data Loggers



| | | |
|------------------------------|--|------------|
| DP2162A | Type T thermocouple | 6 channels |
| DP2166A | Type K thermocouple | 6 channels |
| DP2182A | Type T thermocouple | 8 channels |
| | Humidity option 1 channel / RF telemetry option | |
| DP2186A | Type K thermocouple | 8 channels |
| | Humidity option 1 channel / RF telemetry option | |
| 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 | 1.81MB 16 hours data collection (8 thermocouples / 0.5 second sampling) | |

TECHNICAL SPECIFICATIONS

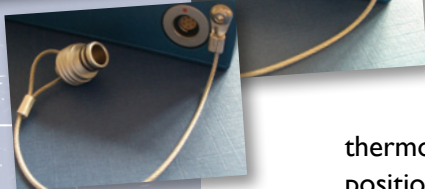


Communications

Serial or USB computer interface
CI 1025 Serial cable (RS232)
CI 1026 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)

Battery Life

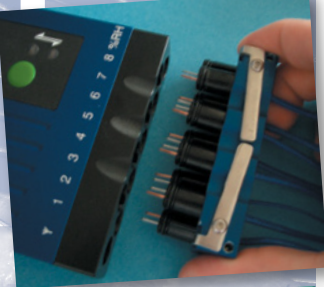
(full charge)

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

Thermocouple Plug Shroud



Channel Blanking Plugs

Fluke Process Instruments

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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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