Food Tracker®
Data Loggers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>DP2162A</td>
<td>Type T thermocouple 6 channels</td>
</tr>
<tr>
<td>DP2166A</td>
<td>Type K thermocouple 6 channels</td>
</tr>
<tr>
<td>DP2182A</td>
<td>Type T thermocouple 8 channels Humidity option 1 channel / RF telemetry option</td>
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<tr>
<td>DP2186A</td>
<td>Type K thermocouple 8 channels Humidity option 1 channel / RF telemetry option</td>
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</tbody>
</table>

- **Accuracy**: ±0.2°C (±0.4°F)
- **Resolution**: ±0.1°C (±0.2°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) without thermal barrier
- **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) without thermal barrier
- **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
- **C11025** Serial cable (RS232)
- **C11026** 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.
- **C1131** 8 channel plug shroud

### 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
- 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

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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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