



A Fluke Company

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	±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) <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



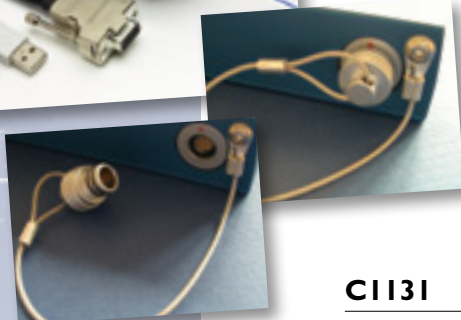
Communications	Serial or USB computer interface
CI1025	Serial cable (RS232)
CI1026	USB cable

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
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Channel blanking plug	DPI213A -Inserted into any channel not fitted with a thermocouple to provide protection to the connector from dirt, etc. and waterproofing
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Operation	Multiple Runs (up to 8 individual repeat runs before download)
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Data collection start	Start/Stop button, temperature rise/fall, date and time
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Battery	Rechargeable NimH (recharge time 2.5 hours)
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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

The Worldwide Leader in Temperature Profiling



Europe and Asia
DATAPAQ Limited
Lothbury House Cambridge Technopark
Newmarket Road, Cambridge
CB5 8PB, UK
Tel: +44 1223 652 400
Fax: +44 1223 652 401
E-mail: sales@datapaq.co.uk

North and South America
DATAPAQ Inc.
3 Corporate Dr.
Unit 1
Derry, NH 03038, USA
Tel: +1 603 537 2680
Fax: +1 603 537 2685
E-mail: sales@datapaq.com



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