Record temperature in a wide range of applications including HVAC testing and balancing, transportation, and energy management with the Model DL001 Temperature Data Logger. Temperature logger has an on-board thermistor and an external sensor channel for remote temperature measurements. Microprocessor controlled circuitry includes solid state memory that can store up to 32,768 readings. Model DL001 logger operates totally independently from any external power supply with built-in lithium battery. Units feature a magnetic backing and locking hole for easy and secure mounting. Quickly program the temperature logger or upload data to a computer using Model DL200 Windows® software (sold separately).

Model DL001, Temperature Data Logger

ACCESSORY
DL200, Windows® Software and Connecting Cable

SPECIFICATIONS
No. of Channels: Two; one internal thermistor and one external thermistor.
Internal Thermistor Range: -40 to 150°F (40 to 70°C).
Accuracy: ±0.5°C (±0.9°F).
Resolution: 8 bits (1 in 256).
Sampling Methods: Continuous (first-in, first-out) or stop when full (fill-then-stop).
Ambient Operating Temperature/RH: -50 to 160°F (-45 to 70°C), 0 to 95% RH, non-condensing.
Memory size: 32,768 readings.
Clock Accuracy: ±0.5°C (±0.9°F).
Connection: Removable screw terminal.

Computer Requirements:
IBM compatible 386 or above and Windows® 3.1 or later with 2 MB RAM and 2 MB hard drive disk space, one serial port.

Power Requirements: 3.6 V TL5134 lithium ion battery, internal, factory replaceable.

Power Consumption: 5 to 10 µA.

Housing Material: Polyethylene ether and polystyrene PPE & PS.

External Sensor: Interchangeable NTC (negative temperature coefficient) thermistor recommended (not included).

Weight: 5 oz (110 g).
Agency Approvals: CE.

Windows® is a registered trademark of Microsoft Corporation

Data Loggers & Recorders

Series DL6

Pressure/Temperature/RH Data Logger

Self-Powered, 5-Channel, Store up to 32,768 Readings, Compact

Monitor and troubleshoot HVAC systems, verify energy management systems, or track performance of pneumatically controlled valves with Series DL6 Pressure/Temperature/RH Data Logger. Units include an on-board thermistor for ambient temperature measurement and pressure module. Remote humidity/temperature sensor and plug-in humidity sensor are sold separately. Loggers can store up to 32,768 readings and operate independently from any external power supply with built-in lithium battery. Use Model DL200 Windows® software (sold separately) to quickly program the logger or upload data to a computer.

Model | Pressure Range
--- | ---
DL6005 | 0 to 5 psig (30 kPa)
DL6030 | 0 to 30 psig (200 kPa)
DL6100 | 0 to 100 psig (700 kPa)

ACCESSORIES
DL200, Windows® Software and Connecting Cable
DL690, Remote Humidity/Temperature Sensor
DL691, Plug-in Humidity Sensor

SPECIFICATIONS
No. of Channels: Five; internal thermistor, pressure module (included), plug-in humidity sensor, remote humidity/temperature sensor.
Internal Thermistor Range: -40 to 150°F (40 to 70°C).
Compensated Temperature Range: 32 to 158°F (0 to 70°C).
Memory Size: 32,768 readings.
Accuracy: ±1% FS.
Clock Accuracy: ±0.2% FS per year.
Thermal Drift: ±0.2% FS per year.
Internal Thermistor Resolution: 0.7°F (0.4°C), R25 value equal to 10,000Ω.
Resolution: 8 bits (1 in 256).
Sampling Methods: Continuous (first-in, first-out) or stop when full (fill-then-stop).
Ambient Operating Temperature/RH: -50 to 160°F (-45 to 70°C), 0 to 95% RH, non-condensing.
Memory: Solid state, replaceable.
Power Requirements: 3.6 V TL5134 lithium ion battery, internal, factory replaceable.
Power Consumption: 5 to 10 µA.
Service: Air and noncorrosive gases.
Max. Pressure Rating: 45 psig (310 kPa).
Housing Material: Polyethylene ether and polystyrene.
Weight: 5 oz (110 g).
Agency Approvals: CE.

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