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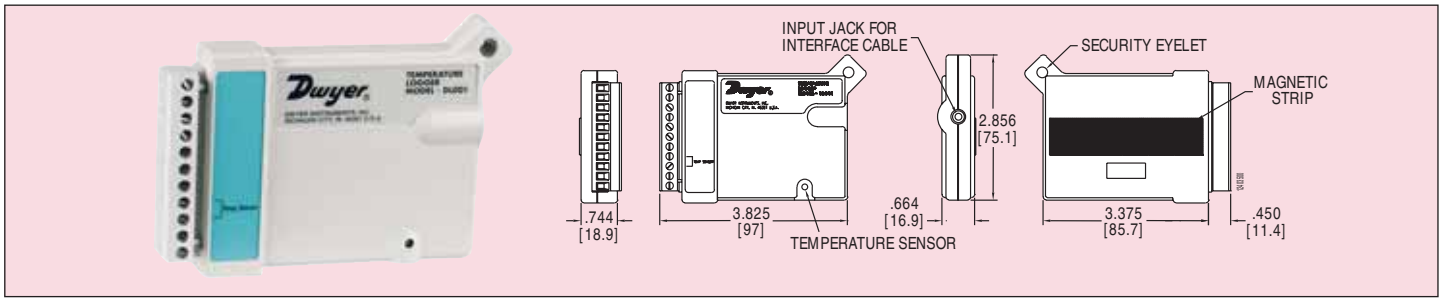
Model DL001 Temperature Data Logger

Self-Powered, 2-Channel, Store up to 32,768 Readings, Compact



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).

DL001 Temperature Data Logger

Accessories

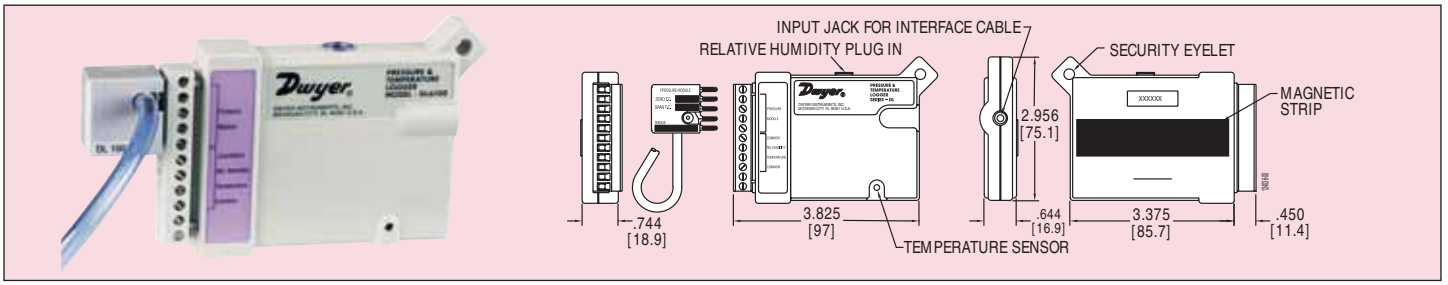
No. DL200, Windows® Software and Connecting Cable

SPECIFICATIONS

No. of Channels: Two, one internal thermistor and one external temperature sensor.
Internal Thermistor Range: –40 to 158°F (–40 to 70°C).
Memory Size: 32,768 readings.
Accuracy: ±0.5°C (±0.9°F).
Clock Accuracy: ±8 seconds per day plus one sampling interval.
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).
Sampling Rates: 8 seconds to once every 5 days, selectable.
Ambient Operating Temperature/RH: –50 to 160°F (–45 to 70°C), 0 to 95% RH, non-condensing.
Connection: Removable screw terminal.
Computer Requirements: IBM compatible 386 or above and Windows® 3.1 or later with 2mB RAM and 2mB hard drive disk space, one serial port.
Power Requirements: 3.6V Lithium battery.
Power Consumption: 5-10 µA.
Housing Material: Polyphenylene Ether and Polystyrene PPE & PS.
External Sensor: Interchangeable NTC (negative temperature coefficient) thermistor recommended (not included).
Weight: 5 oz (110 g).
Agency Approvals: CE.

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.

MODELS

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

Accessories

No. DL200, Windows® Software and Connecting Cable
No. DL690, Remote Humidity/Temperature Sensor
No. 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 158°F (–40 to 70°C).
Compensated Temperature Range: 32 to 158°F (0 to70°C).
Memory Size: 32,768 readings.
Accuracy: ±1% FS.
Clock Accuracy: ±8 sec/day plus one sampling interval.
Thermal Accuracy: ±1% FS.
Drift: ±0.2% FS/yr.
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).
Sampling Rates: Selectable from 8 seconds to once every 5 days.
Ambient Operating Temperature/RH: –50 to 160°F (–45 to 70°C), 0 to 95% RH, non-condensing.
Connection: Removable screw terminal.
Computer Requirements: IBM compatible 386 or above and Windows® 3.1 or later with 2mB RAM and 2mB hard drive disk space, one serial port.
Power Requirements: Built-in 3.6V Lithium battery.
Power Consumption: 5-10 µA.
Service: Air and noncorrosive gases.
Max. Pressure Rating: 4x rated pressure.
Housing Material: Polypenylene Ether and Polystyrene.
Weight: 5 oz (110 g).
Agency Approvals: CE.

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