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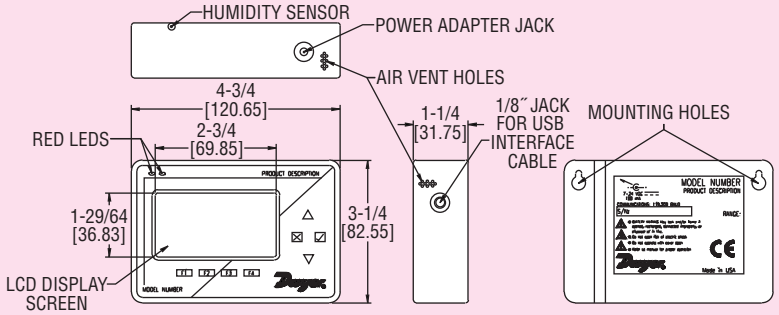
Series DLI

LCD Data Logger

Front Keypad, Wall Mountable, Remote Readings



The Series DLI LCD Data Logger gives instant remote readings of temperature, humidity, or atmospheric pressure. The large, back-lit LCD and 8-button keypad provide convenient access to current data and recorder setup as well as memory and battery levels. The wall-mountable data logger can store at least 87,000 readings per channel. The easy to use DL700 software makes creating permanent records, performing data calculations, and graphing of data simple. The DLI can easily be started and stopped from a PC or delayed to start up to six months in advance. It can also stop recording at a specified time or after a certain number of readings have been taken.

Thermocouple Type	Range °F	Range °C
Type J	-346 to 1400	-210 to 760
Type K	-436 to 2498	-260 to 1370
Type T	-436 to 752	-260 to 400
Type E	-436 to 1796	-260 to 980
Type R	-58 to 3200	-50 to 1760
Type S	-58 to 3200	-50 to 1760
Type B	140 to 3308	60 to 1820
Type N	-436 to 2372	-260 to 1300

Model	Input Type
DLI-R	RTD Temperature
DLI-T	Thermocouple Temperature
DLI-H	Temperature/Humidity
DLI-P	Temperature/Humidity/Pressure

ACCESSORIES

DL700, Software, Manual and USB Interface Cable
U9VL-J, 9V Replacement Battery
DC9V-NA, 9V Power Adapter (North America
DC9V-EU, 9V Power Adapter (Europe)

SPECIFICATIONS

RTD Sensor: Range: -328 to 1562°F (-200 to 850°C); Probe Accuracy: ±0.09°F (±0.05°C) for -328 to 500°F (-200 to 260°C), ±0.5°F (±0.3°C) for 500 to 1562°F (260 to 850°C); Resolution: 0.01°F (0.01°C).
Thermocouple Sensor: Internal Range: -4 to 140°F (-20 to 60°C); Accuracy: ±0.9°F (±0.5°C) internally and for types J, K, T, E, and N, ±3°F (±2°C) for types R, S, and B; Resolution: 0.2°F (0.1°C) internally and for types J, K, T, E, and N, 0.9°F (0.5°C) for types R, S, and B.
Temperature/Humidity Sensor: Range: -4 to 140°F (-20 to 60°C), 0 to 95% RH; Accuracy: ±0.9°F (±0.5°C) for 32 to 122°F (0 to 50°C), 3% RH; Resolution: 0.2°F (0.1°C), 0.1% RH.
Temperature/Humidity/Pressure Sensor: Range: -40 to 302°F (-20 to 60°C), 0 to 95% RH, 0 to 30 psia; Accuracy: ±0.9°F (±0.5°C), ±3% RH, ±1.0% FSR @ 77°F (25°C); Resolution: 0.1°F (0.05°C), 0.1% RH, 0.002 psia.
Memory Size: 174,762 readings (DLI-R), 131,071 readings per channel (DLI-T, DLI-H) and 87,381 readings per channel (DLI-P).
Sampling Method: Stop on memory full or continuous recording.
Sampling Rate: Selectable from 2 sec to 24 hrs.
Computer Requirements: Windows® 95, Windows® 98, Windows® 2000, Windows® ME, Windows NT®, and Windows® XP operating system, one free USB port.
Power Requirements: User replaceable, 9V lithium battery. Optional AC adapter.
Battery Life: 1 year with display off, 30 days with continuous display usage (approx).
Interface: USB port (interface cable required).
Housing or Enclosure: Black anodized aluminum case.
Weight: 16 oz (440 g).
Agency Approvals: CE, model DLI-R not CE approved.

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