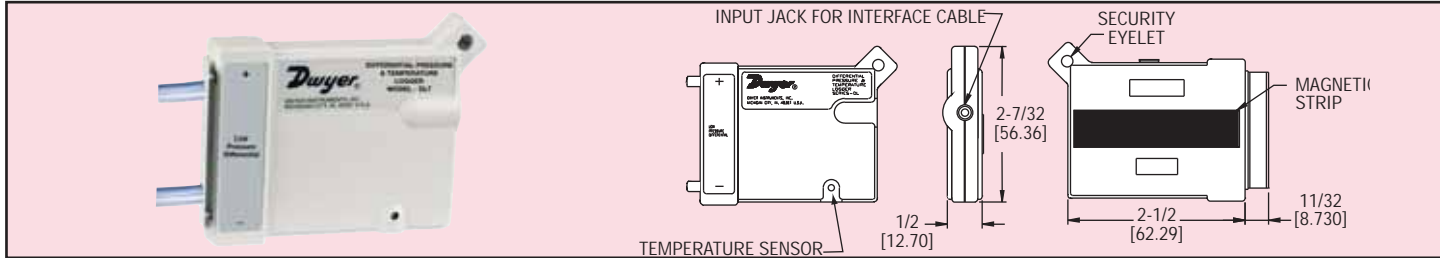




Series
DL7

Differential Pressure Data Logger

Also Measures and Logs Temperature, Self-Powered, 2-Channel, Compact



Monitor and Record low differential pressures and temperature with the Model DL7 Differential Pressure Data Logger. Unit includes an on-board thermistor for ambient temperature measurement. Sampling rates are user selectable from 0.04 seconds to 8 hours with First-in first-out or Fill-then-stop sampling options. Loggers can store up to 21,500 readings and operate totally 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. The Series DL7 logger is ideal for monitoring air duct velocity, testing and balancing HVAC systems, or verifying room pressure.

Model	Pressure Range
DL70	±0.5" w.c. (1.2 mbar)
DL71	±1" w.c. (2.5 mbar)
DL72	±2.0" w.c. (5.0 mbar)
DL75	±5" w.c. (12.4 mbar)
DL710	±10" w.c. (24.9 mbar)

ACCESSORY

DL200, Windows® Software and Connecting Cable

SPECIFICATIONS

No. of Channels: Two; internal thermistor, and a differential pressure sensor.

Internal Thermistor Range: -40 to 158°F (-40 to 70°C).

Compensated Temp Range: 32 to 158°F (0 to 70°C).

Memory Size: 21,500 readings.

Accuracy: ±0.05 w.c. (up to 2" range) ±1" (5" and 10" range).

Thermal Accuracy: ±0.5% FS.

Clock Accuracy: ±2 sec/day plus one sampling interval.

Resolution: ±0.01" w.c.

Internal Thermistor Resolution: 0.7°F (0.4°C), R25 value equal to 10,000Ω [10kΩ @ 25°C (77°F)].

Resolution: 12 bits (1 in 4096).

Nonlinearity: ±0.05% FS (BFSL).

Hysteresis and Repeatability: ±0.05% FS.

Drift: ±0.5% FS/yr.

Sampling Methods: Continuous (first-in, first-out: not available from 40

ms to 8 sec.), stop when full (fill-then-stop), or delayed start.

Sampling Rates: Selectable from 0.04 seconds to 8 hours.

Ambient Operating Temperature/RH: -40 to 158°F (-40 to 70°C), 0 to 95% RH, non-condensing.

Connection: Two 1/8" I.D. permanent protective tubing.

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.

Service: Dry air and noncorrosive gases.

Max. Pressure Rating: 4X rated pressure.

Power Requirements: Built-in 3.6V Lithium battery.

Power Consumption: 5-10 μA.

Housing Material: Polyphenylene Ether and Polystyrene PPE & PS.

Weight: 4 oz (110 g).

Agency Approvals: CE.