Differential Pressure Data Logger

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL70</td>
<td>±0.5” w.c. (1.2 mbar)</td>
</tr>
<tr>
<td>DL71</td>
<td>±1” w.c. (2.5 mbar)</td>
</tr>
<tr>
<td>DL72</td>
<td>±2.0” w.c. (5.0 mbar)</td>
</tr>
<tr>
<td>DL75</td>
<td>±5” w.c. (12.4 mbar)</td>
</tr>
<tr>
<td>DL710</td>
<td>±10” w.c. (24.9 mbar)</td>
</tr>
</tbody>
</table>

ACCESSORY
DL200, Windows® Software and Connecting Cable

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Process Data Logger

Eliminate traditional paper chart recorders with the Series DL8 Process Data Logger. This versatile, multi-channel data logger monitors and stores up to 32,768 process readings for later download to an IBM compatible computer. Seven external input channels easily interface with common transducer and transmitter outputs. Internal thermometer measures ambient temperature conditions. Programming is simple and easy with the DL200 Windows® software and connecting cable (sold separately). The Series DL8 Process Data logger is ideal for monitoring temperature, relative humidity, pressure, wind speed, current, voltage and power.

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL8</td>
<td>0 to 2.5 VDC, 0 to 5 VDC (2 ch.), 0 to 10 VDC, 0 to 200 mV DC, and 0 to 25 mA DC (2 ch). All channels 0 to 25 mA.</td>
</tr>
</tbody>
</table>

ACCESSORY
DL200, Windows® Software and cable

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Computer Requirements:
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.

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Series DL8

8-Channels, Compact, Self-Powered, Stores up to 32,768 Readings

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SPECIFICATIONS
No. of Channels: Eight; one for internal thermistor and seven for external analog inputs.
Internal Thermistor Resolution: -40 to 158°F (-40 to 70°C).
Memory Size: 32,768 readings.
Accuracy: ±1.5% of full scale.
Clock Accuracy: ±8 seconds per day plus one sampling interval.
Resolution: 8 bits (1 in 256).
Sampling Methods: Continuous (first-in, first-out) or stop when full (fill-then-stop).
Sampling Rates: Selectable from 0.04 seconds to 8 hours.

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 2 MB RAM and 2 MB hard drive disk space, one serial port.

Power Requirements:
Built-in 3.6V lithium battery.

Power Consumption:
5-10 µA.

Housing Material:
Polyphenylene ether and polystyrene PPE & PS.

Weight:
5 oz (110 g).

Agency Approvals:
CE.