The Digihelic® Controller allows the selection of pressure, velocity or volumetric flow accuracy on ranges from 5 to 100 in w.c. ideal instrument for pressure, velocity and flow applications, achieving a 0.5% full scale product, saving inventory, installation time and money. The Digihelic® Controller is the only instrument you will need for all your pressure applications.

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example DH-004-NIST.

Barbed fitting for 3/16˝ ID tubing -BB

OPTIONS
- Digihelic® surface mounting bracket A-266, Digihelic® surface mounting bracket A-203, 1/8˝ ID x 1/4˝ OD PVC tubing
- Digihelic® Links®, Communication Software

See page 567 for process tubing options.

SPECIFICATIONS
- Service: Air and non-combustible, compatible gases.
- Wetted Materials: Consult factory.
- Housing Material: ABS plastic, UL approved 94-V-0.
- Accuracy: ±0.5% at 77°F (25°C) including hysteresis and repeatability.
- Stability: < ±1% per year.
- Pressure Limits: Ranges ≤ 2.5 in w.c.
  = 2 psi, 5°: 5 psi; 10°: 5 psi; 25°: 5 psi; 50°: 5 psi, 100°: 9 psi.
- Temperature Limits: 32 to 140°F (0 to 60°C).
- Compensated Temperature Limits: 32 to 140°F (0 to 60°C).
- Thermal Effects: 0.020%/°F (0.036%/°C) from 77°F (25°C).
- Power Requirements: High voltage power = 100 to 240 VAC, 50 to 60 Hz or 132 to 240 VDC. Low voltage power = 24 VDC ±20%.
- Low voltage power = 24 VDC - 130 mA max; High voltage power = 100 to 240 VAC, 132 to 240 VDC - 7VA max.
- Output Signal: 4-20 mA DC into 900 Ω max.
- Zero & Span Adjustments: Accessible via menus.
- Display: 4 digit LCD 0.4” height. LED indicators for set point and alarm status.
- Electrical Connections: Screw terminals.
- Process Connections: Compression fitting for use with 1/8˝ ID X 1/4˝ OD tubing (3.175 mm ID x 6.35 mm OD). Optional barbed fitting for 3/16˝ ID tubing.
- Enclosure Rating: Face designed to meet NEMA 4X (IP66).
- Mounting Orientation: Mount unit in horizontal plane.
- Size: 1/8 DIN.
- Panel Cutout: 1.772 x 3.620 in (45 x 92 mm).
- Weight: 14.0 oz (408 g).
- Serial Communications: Modbus®, RS485, 9600 baud.
- Agency Approvals: CE, UL.

OPTIONS
- Bi-Directional* Ranges also available:
  - DH-012*, Range: 5 - 0 - 5 in w.c.
  - DH-014*, Range: 10 - 0 - 10 in w.c.

ACCESSORIES
- The Mini-Node™ converters are an easy solution for utilizing the Digihelic® Controller’s RS-485 serial communication and connecting to virtually any PC.
- MN-1, Mini-Node™ USB/RS-485 converter
- A-266, Digihelic® surface mounting bracket
- A-203, 1/8˝ ID x 1/4˝ OD PVC tubing
- Digihelic® Links®, Communication Software

See page 567 for process tubing options.

*Velocity and volumetric flow not available on bi-directional range units and models DH-009 & DH-010.

Power Consumption:
- Low voltage power = 24 VDC - 130 mA max; High voltage power = 100 to 240 VAC, 132 to 240 VDC - 7VA max.

<table>
<thead>
<tr>
<th>Available Pressure Engineering Units</th>
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<tbody>
<tr>
<td>Model</td>
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<tr>
<td>DH-002</td>
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<tr>
<td>DH-004</td>
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<td>DH-006</td>
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<td>DH-007</td>
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<td>DH-008</td>
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<tr>
<td>DH-009*</td>
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<tr>
<td>DH-010*</td>
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</tbody>
</table>

DH-012, Range: 0.25 - 0 - 0.25 in w.c.
DH-014, Range: 1.00 - 0 - 1.00 in w.c.
DH-015, Range: 2.50 - 0 - 2.50 in w.c.
DH-016, Range: 5 - 0 - 5 in w.c.
DH-017, Range: 10 - 0 - 10 in w.c.

OPTIONS
- Barbed fitting for 3/16˝ ID tubing -BB
- For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example DH-004-NIST.
- For factory calibration certificate, add suffix -FC to model numbers. Example DH-004-FC.

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