The Series 629HLP Differential Pressure Transmitters are suitable for measuring over-pressure, under-pressure, and differential pressure in compatible gases and liquids with 1% accuracy. The 629HLP is suitable for all measuring tasks in commercial, industrial or sanitary applications. Its single sensor design, allows it to measure small increment pressure changes, and converts them to a linear analog output signal from 4 to 20 mA or 0 to 10 VDC.

FEATURES/BENEFITS
- Rugged, versatile, high accuracy device
- For liquid or gas systems requiring precise measurements
- Provide excellent response and reliability
- Suitable for static and dynamic measurements
- Converts pressure changes into 4 to 20 mA or 0 to 10 VDC output
- Compact and lightweight, for flexible and simple installation

APPLICATIONS
- Heat exchangers
- Fan coils/air handlers
- Core testing applications
- Hydraulic systems
- High line pressures/low DP
- Pumps
- Commercial/industrial processes
- Sanitary process

DESCRIPTION

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Service</th>
<th>Compatible gases or liquids.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetted Material</td>
<td>304 SS.</td>
</tr>
<tr>
<td>Housing Material</td>
<td>ABS.</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>IP65.</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1% from -5 to 60°C (23 to 140°F).</td>
</tr>
<tr>
<td>Stability</td>
<td>±1% FS/year.</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>Ambient: -10 to 60°C (14 to 140°F); Process: -10 to 80°C (14 to 176°F).</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>10 to 90% non-condensing.</td>
</tr>
<tr>
<td>Installation Position</td>
<td>Not position sensitive.</td>
</tr>
<tr>
<td>Differential Pressure Range</td>
<td>0 to 1 bar; 0 to 2.5 bar; 0 to 4 bar; 0 to 6 bar.</td>
</tr>
<tr>
<td>Static Pressure Limits</td>
<td>25 bar (360 psi).</td>
</tr>
<tr>
<td>Over Pressure</td>
<td>5 bars for 0 to 1 bar and 0 to 2.5 bar ranges, 12 bars for 0 to 4 bar and 0 to 6 bar ranges; 70 psi for 0 to 15 psi and 0 to 30 psi ranges, 174 psi for 0 to 60 psi and 0 to 90 psi ranges.</td>
</tr>
<tr>
<td>Burst Pressure</td>
<td>8 bars for 0 to 1 bar and 0 to 2.5 bar ranges, 18 bars for 0 to 4 bar and 0 to 6 bar ranges; 115 psi for 0 to 15 psi and 0 to 30 psi ranges, 260 psi for 0 to 60 psi and 0 to 90 psi ranges.</td>
</tr>
<tr>
<td>Output Signal</td>
<td>4 to 20 mA or 0 to 10 VDC.</td>
</tr>
<tr>
<td>Rated Supply Voltage</td>
<td>0 to 10 VDC output: 12 to 36 VDC or 12 to 32 VAC @ Max load of 2K Ω 4 to 20 mA output: 8-36 VDC.</td>
</tr>
<tr>
<td>Max Loop Resistance</td>
<td>(Supply Voltage - 8 V) / 0.02 for 4 to 20 mA output.</td>
</tr>
<tr>
<td>Electrical Connections</td>
<td>Form A DIN 43650.</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>$V_{out} = 13 , mA , max., , I_{out} = 24 , mA , max.$</td>
</tr>
<tr>
<td>Process Connections</td>
<td>1/4” female NPT, 1/4” female BSPT.</td>
</tr>
<tr>
<td>Weight</td>
<td>1 lb 4 oz (567 g).</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>CE, RCM.</td>
</tr>
</tbody>
</table>
HOW TO ORDER

Use the bold characters from the chart below to construct a product code.

**SERIES**

629HLP: Differential pressure transmitter

**RANGE**

-01: 0 to 1 bar
-02: 0 to 2.5 bar
-04: 0 to 4 bar
-06: 0 to 6 bar
-15: 0 to 15 psi
-30: 0 to 30 psi
-60: 0 to 60 psi
-90: 0 to 90 psi

**OPTIONS**

-FC: Factory calibration
-NIST: NIST traceable calibration certificate

**OUTPUT SIGNAL**

-S1: 4 to 20 mA
-S5: 0 to 10 VDC

**PROCESS CONNECTIONS**

-P2: 1/4˝ female NPT
-P4: 1/4˝ female BSPT

**WIRING DIAGRAM**

DIN CABLE INLET Ø.418 I.D.
3-1/4 [82.40]
3-3/16 [55.40]
2-1/8 [53.81]
2-7/16 [62.00]
2-41/64 [67.00]

1/4 NPT OR 1/4 BSPT

1-3/16 [30.00]

ORDER ONLINE TODAY!
dwyer-inst.com/Product/Series629HLP

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