ACCURACY (continued)

Physical input range of the sensors

<table>
<thead>
<tr>
<th>TYPE</th>
<th>MEASUREMENT ACCURACY[1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(10 to 400) Ω</td>
<td>Cu10, Cu50, Cu100, polynomial RTD, Pt50, Pt100, Ni100, Ni120</td>
</tr>
<tr>
<td>(10 to 2000) Ω</td>
<td>Pt200, Pt500, Pt1000, Ni1000</td>
</tr>
<tr>
<td>(-20 to 100) mV</td>
<td>Thermocouple type: C, D, E, J, K, L, N</td>
</tr>
<tr>
<td>(-5 to 30) mV</td>
<td>Thermocouple type: B, R, S, T, U</td>
</tr>
</tbody>
</table>

[1] % is related to the adjusted measurement range (the value to be applied is the greater)

General

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Repeatability</td>
<td>0.03% of the physical input range (15 Bit)</td>
</tr>
<tr>
<td></td>
<td>Resolution A/D conversion: 18 Bit</td>
</tr>
<tr>
<td>Load influence</td>
<td>≤ ± 0.005%/V deviation from 24 V, related to the full-scale value</td>
</tr>
<tr>
<td>Long term stability</td>
<td>≤ 0.1 °C [0.18 °F] / year or ≤ 0.05%/year Date under reference conditions. % relates to the set span. The larger value applies.</td>
</tr>
</tbody>
</table>

Temperature Drift

<table>
<thead>
<tr>
<th>Effect on the accuracy when ambient temperature changes by 1 °C [1.8 °F]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input (10 to 400) Ω</td>
</tr>
<tr>
<td>Input (10 to 2000) Ω</td>
</tr>
<tr>
<td>Input (-20 to 100) mV</td>
</tr>
<tr>
<td>Input (5 to 30) mV</td>
</tr>
<tr>
<td>Output (4 to 20) mA</td>
</tr>
</tbody>
</table>

INSTALLATION CONDITIONS

Ambient Conditions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature</td>
<td>Without display: (-40 to 85) °C [-40 to 185] °F</td>
</tr>
<tr>
<td></td>
<td>With display: (-40 to 70) °C [-40 to 158] °F</td>
</tr>
<tr>
<td></td>
<td>NOTE: The display can react slowly for temperature &lt; -20 °C [-4 °F]</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>Without display: (-40 to 100) °C [-40 to 212] °F</td>
</tr>
<tr>
<td></td>
<td>With display: (-40 to 85) °C [-40 to 185] °F</td>
</tr>
<tr>
<td>Allowable Altitude</td>
<td>6500 ft. above sea level</td>
</tr>
<tr>
<td>Climatic class</td>
<td>As per EN 60 654-1, Class C</td>
</tr>
<tr>
<td>Moisture condensation</td>
<td>Allowable</td>
</tr>
<tr>
<td>Shock and vibration protection</td>
<td>3 g / (2 to 150) Hz according to IEC 60 068-2-6</td>
</tr>
<tr>
<td>EMC immunity</td>
<td>Interference immunity and interference emission as per EN 61 326-1 (IEC 1326) (0.08 to 2) GHz 10 V/m; (1.4 to 2) GHz 30 V/m to EN 61 000-4-3</td>
</tr>
<tr>
<td>Protection</td>
<td>IP67, NEMA 4X, Class 1, Division 1, Group A, B, C; Class II Division I, Groups E, F, G and Class III, Division I (when specified)</td>
</tr>
</tbody>
</table>

HART® is a registered trademark of HART Communication Foundation