IPAQ-H/-HX are universal, isolated 2-wire transmitters for temperature and other measurement applications. They combine competitive pricing, functionality and simple configuration. Useful error correction functions improve the accuracy.

- Fully universal, linearized and high-isolation
- Accepts RTD, T/C, mV and Ω
- Sensor error and system [sensor/transmitter] error correction for highest total accuracy
- Full access to all features while in operation
- NAMUR compliant
- Consistent sensor break function
- Simplified loop check-up with calibration output
- Low sensor isolation detection
- IPRO, easy-to-use Windows configuration software

Specifications:

<table>
<thead>
<tr>
<th>Input RTD</th>
<th>3-, 4-wire connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt100 (α=0.00385)</td>
<td>-200 to +1000 °C / -328 to +1832 °F</td>
</tr>
<tr>
<td>Pt1000 (α=0.00385)</td>
<td>-200 to +200 °C / -328 to +392 °F</td>
</tr>
<tr>
<td>PtX 10 ≤ X ≤ 1000 (α=0.00385)</td>
<td>Upper range depending on X-value</td>
</tr>
<tr>
<td>Pt100 (α=0.003916)</td>
<td>-200 to +1000 °C / -328 to +1832 °F</td>
</tr>
<tr>
<td>Ni100, Ni120</td>
<td>-60 to +250 °C / -76 to +482 °F</td>
</tr>
<tr>
<td>Ni1000</td>
<td>-100 to +150 °C / -148 to +302 °F</td>
</tr>
<tr>
<td>Cu10</td>
<td>-200 to +260 °C / -328 to +500 °F</td>
</tr>
</tbody>
</table>

Input Potentiometer / resistance: 3-, 4-wire connection, 0 to 2000 Ω


Input mV: -10 to +500 mV

Sensor failure / Low isolation: User definable output

Adjustments - Zero: Any value within range limits

Adjustments - Minimum spans:

| PT100, PT1000, Ni100, Ni1000 | 10 °C / 18 °F |
| Potentiometer              | 10 Ω          |
| T/C, mV                    | 2 mV          |

Output: 4-20 / 20-4 mA, temperature linear

Galicnic isolation: 1500 VAC, 1 min

Power supply: IPAQ-H: 6.5 to 36 VDC IPAQ-HX: 8 to 30 VDC

Intrinsic safety:

| IPAQ-H | ATEX: II 1 G Ex ia IIC T4-T6 |
| IPAQ-HX FM | IS Class I, DIV 1, G.P A-D |
| IPAQ-HX CSA | Class I, Groups A-D |

Typical accuracy: ±0.1 % of span

Connection head: DIN B or larger

IPAQ-H 70IPH00001
IPAQ-HX (ATEX) 70IPHX0001
IPAQ-HX (FM, CSA) 70IPHX1001
PC Configuration Kit 70CFG00092
Configuration 70CAL00001

Supply voltage U (V DC)

R_{LOAD} (Ω)

I_{OUT} (mA)

Dimensions mm/inches

Ordering information

IPAQ-H 70IPH00001
IPAQ-HX (ATEX) 70IPHX0001
IPAQ-HX (FM, CSA) 70IPHX1001
PC Configuration Kit 70CFG00092
Configuration 70CAL00001

\(^{1}DIN 43760 \(^{2}Edison No. 7 \(^{3}Edison No. 15\)