



## APAQ R130<sup>RTD</sup>

### Basic Programmable 2-wire Transmitter for Pt100 and Pt1000



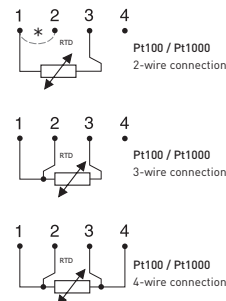
The APAQ R130<sup>RTD</sup> is a modern transmitter with high reliability and great performance. External influences such as ambient temperature, vibration, moisture and EMC interference have minimal influence on the measurement result, thanks to the robust design.

- Type: Digital
- Input: RTD
- Output: 4-20 mA
- Isolation: Unisolated
- Measuring channels: 1 channel

#### Specifications:

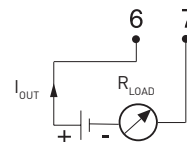
|                                  |                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input</b>                     | 2-, 3-, 4-wire connection<br>Pt100 (IEC 60751, $\alpha=0.00385$ ) -200... +850 °C / -328...+1562 °F<br>Pt1000 (IEC 60751, $\alpha=0.00385$ ) -200... +850 °C / -328...+1562 °F |
| <b>Adjustments</b>               |                                                                                                                                                                                |
| Minimum span                     | 20 °C / 36 °F                                                                                                                                                                  |
| Zero adjustments                 | Any value within range limits                                                                                                                                                  |
| <b>Output</b>                    | 4-20 mA temperature linear                                                                                                                                                     |
| <b>Sensor failure indication</b> | Upscale ( $\geq 21.0$ mA) or downscale ( $\leq 3.6$ mA)                                                                                                                        |
| <b>NAMUR compliance</b>          | Current limitations and failure currents acc. to NAMUR NE 43                                                                                                                   |
| <b>Response time</b>             | 0.4 to 26 s, adjustable filtering level                                                                                                                                        |
| <b>Ambient temperature</b>       |                                                                                                                                                                                |
| Storage and operation            | -40...+85 °C / -40...+185 °F                                                                                                                                                   |
| <b>Galvanic isolation</b>        | None                                                                                                                                                                           |
| <b>Power supply</b>              | 6 to 32 VDC                                                                                                                                                                    |
| <b>Typical accuracy</b>          | Max. of $\pm 0,15$ K or $\pm 0,15$ % of span                                                                                                                                   |
| <b>Mounting</b>                  | 35 mm DIN rail acc. to EN 60715                                                                                                                                                |
| <b>Vibration</b>                 | IEC 60068-2-6, test Fc, 10...2000 Hz, 5 g                                                                                                                                      |
| <b>EMC</b>                       | EN 61326-1 and EN 61326-2-3                                                                                                                                                    |
| <b>Configuration</b>             | App INOR Connect via NFC                                                                                                                                                       |

#### Input connections

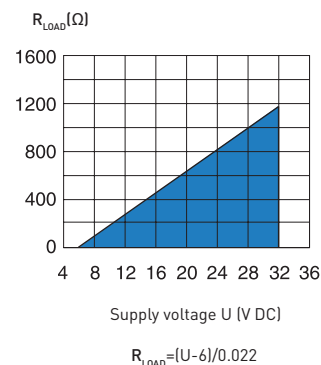


\* Short terminals 1 and 2 on the transmitter

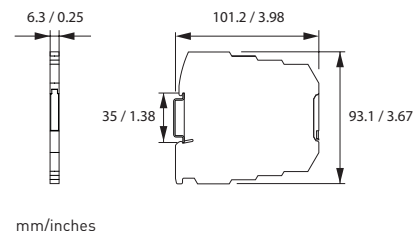
#### Output connections



#### Output load diagram



#### Dimensions



#### Ordering information

APAQ R130<sup>RTD</sup>

70R1300011