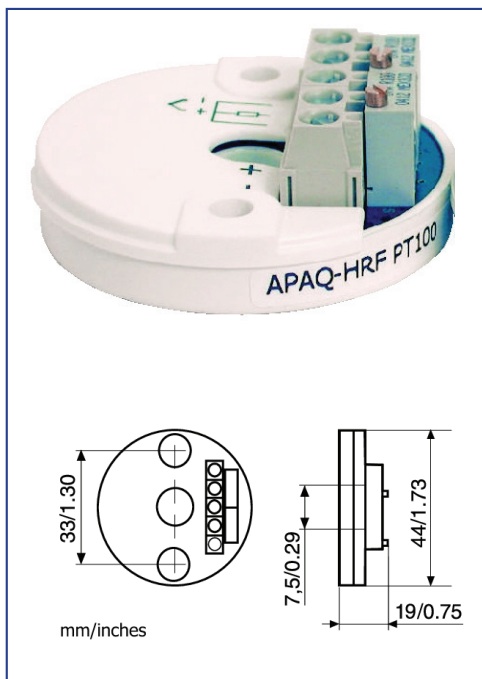


APAQ-HRF

Temperature Transmitter Type APAQ-HRF

Temperature transmitter type APQ-HRF is analog 2-wire transmitter for assembling in connection head of the Pt100 sensor. The transmitter is configurable using welded connections and two potentiometers. Execution is basic and intrinsic safe with DEMCO 03 ATEX 135011X.



Type	Execution
APQ-HRF	Basic
APQ-HRFX	Intrinsic safe Ex II 1G; EExia IIB T4/T5/T6

Technical specification

INPUT

Sensor	Type	Current	Range of zero set up	Range of upper level set up [°C]
Resistor Pt100	line 3-wire	1 mA	-50°C..+50°C	50, 100, 150, 200 300, 400, 500

OUTPUT

Current	Resistance (Drawing 1)	Sensor failure (configurable)
4 – 20 mA	$250\Omega \leq R_L \leq 1100\Omega$	3,75mA .. 23mA

Accuracy	Ambient temperature	Influence of ambient temp. change	Voltage U_z	Influence of voltage change
$\pm 0,2\%$ of range	-40°C ..+85°C	$\pm 0,004\%$ of range / °C	8 – 30 VDC	$\pm 0,02\%$ / V

Galvanic separation
not present

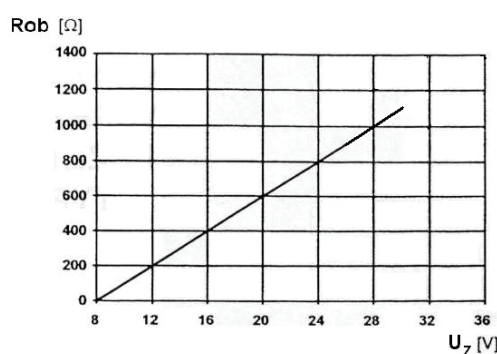
Mounting
in connection head

Ordering Information

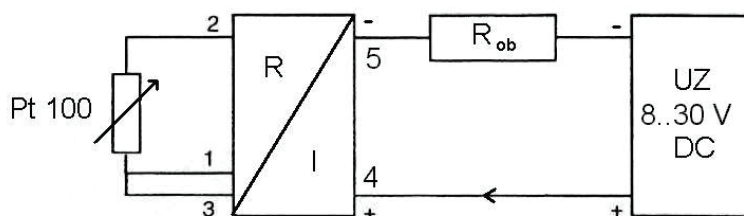
APAQ-HRF	A	B
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A Execution	
	Basic
X	Intrinsic safe

B Temperature range ($T_1 \div T_2$)	
	specify in °C



Drawing 1. Resistance overcharge



Drawing 2. Configuration

Ordering Example:

APAQ-HRF-X-0÷100°C

stands for: Transmitter type APAQ-HRF intrinsic safe, working by temperature range 0÷100°C.