

Temperature transmitter is an integral element of temperature sensor, available also as a separate component. It converts temperature sensor signal to analogue 4-20mA, voltage 0-10V or different signal. Transmitter can be placed directly in connection head or on TS-35mm rail.

Specification

Characteristic

- analogue transmitter
- mounting in connection head BA: APAQ-3HPT
- mounting on a 35mm rail: APAQ-3LPT
- resistance / voltage transmitter
- manual linearisation of output signal against temperature

Input

Pt100. Pt1000, 3-wire

Output

0-10V input resistance min. 10kΩ

Measuring range

-50÷200°C; span: 50°C, 100°C, 150°C, 200°C

Zero point adjustment

-50÷50°C

Accuracy

0,2%

Response time

0,2 s

Galvanic insulation

not present

Lead wire connection

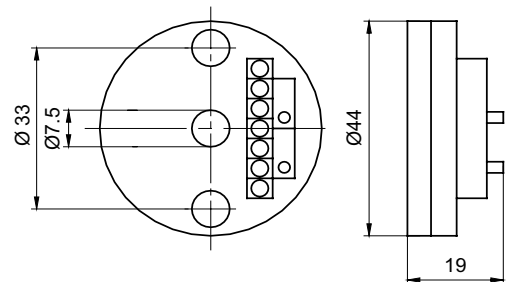
< 2,5 mm²

Power supply

15÷30V DC

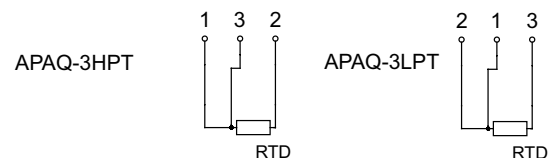
Operating conditions

temperature: -40÷85°C; -20÷70°C for APAQ-3LPT
humidity: up 95% RH non-condensing

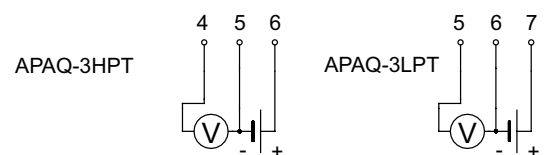


CONNECTION SCHEMES

Input connections:



Output connections:



Product code

| | | | |
|---|--|-----------------------------|--|
| | | Transmitters version | |
| 1 | | 3LPT | 35mm rail mounted |
| | | 3HPT | head mounted |
| | | Temperature range | |
| 2 | | (0÷300)°C | (0÷300)°C |
| | | | other parameters acc. to requirements |
| | | Equipment | |
| 3 | | A | with adapter for 35mm rail mounting for APAQ-HCF |

1
2
3

APAQ
-

-

-

Ordering example:

Transmitter APAQ-3HPT-(0÷300)°C-A