

TST40N

Modular RTD thermometer

Comprehensive and common temperature measurement technology for almost all branches of industry



Yderligere oplysninger og aktuel pris::

www.dk.endress.com/TST40N

Fordele:

- High degree of flexibility thanks to modular design with standard terminal heads as per DIN EN 50446 and customer-specific immersion lengths
- High degree of insert compatibility and design as per DIN 43772
- Fast response time with reduced/tapered tip form
- Head transmitter with easy selection: Analog output 4 to 20 mA, HART®, PROFIBUS® PA or FOUNDATION Fieldbus™

Oversigt over specifikationer

- **Accuracy** class A acc. to IEC 60751 class AA acc. to IEC 60751
- **Response time** depending on configuration $t_{50} = 3$ s $t_{90} = 6$ s
- **Max. process pressure (static)** at 20 °C: 20 bar (290 psi)
- **Operating temperature range** PT 100: -50 °C ...600 °C (-58 °F ...1.112 °F)
- **Max. immersion length on request** up to 10.000,00 mm (393,70")

Anvendelsesområde: The high modular and robust thermometer finds its use in several applications in almost all industries. An optional head transmitter, with all common communication protocols, makes the device ready to use with enhanced measurement accuracy and reliability compared to directly wired sensors. A variety of process connections, dimensions and materials offers flexible application possibilities.

Funktioner og specifikationer

Thermometer**Measuring principle**Resistance Temperature Detector

Characteristic / Application

metric style
modular temperature assembly
fast response time (reduced/tapered tip)
threaded process connection
with neck

Thermowell / protection tubewithout (not intended to use with thermowell)

Insert / probemineral insulated (MI), flexible

Outer diameter protection tube / Insert

6,0 mm (0,24")
9,0 mm (0,35")

Max. immersion length on requestup to 10.000,00 mm (393,70")

Material protection tube/ thermowell1.4404 (316L)

Process connection

male thread:

G1/2"

G3/4"

G1"

NPT1/2"

NPT3/4"

NPT1"

M20x1.5

Tip shapereduced

Thermometer

Surface roughness Ra

0,8 µm (31,5 µin.)

Operating temperature range

PT 100:

-50 °C ...600 °C

(-58 °F ...1.112 °F)

Max. process pressure (static)

at 20 °C: 20 bar (290 psi)

Accuracy

class A acc. to IEC 60751

class AA acc. to IEC 60751

Response time

depending on configuration

t50 = 3 s

t90 = 6 s

Integration head transmitteryes (4 ... 20 mA; HART; PROFIBUS PA; FOUNDATION
FIELDBUS)**Certification**

SIL (transmitter only)

Yderligere information www.dk.endress.com/TST40N