

Easytemp TMR35

Hygienic compact thermometer

Compact, fast and precise for the measurement of process temperatures in hygienic applications



from **€77.00**

Price as of 01.12.2021

More information and current pricing:

www.at.endress.com/TMR35

Benefits:

- Small, compact design made entirely of stainless steel
- Extremely short response times
- Highly accurate even with short insertion lengths
- 4-wire, Pt100 or PC-programmable transmitter with 4 to 20 mA output
- Configuration and visualization with ReadWin® 2000 PC operating software, which is free of charge
- Breakdown information in event of sensor break or sensor short-circuit, adjustable as per NAMUR NE43
- Hygienic compatible design with 3-A marking and EHEDG certification; Marine approval

Specs at a glance

- **Accuracy** class A acc. to IEC 60751
- **Response time** $t_{50} = 1$ s $t_{90} = 2$ s
- **Max. process pressure (static)** at 20 °C: 100 bar (1.450 psi)
- **Operating temperature range** PT 100: -50 °C ...200 °C (-58 °F ...392 °F)
- **Max. immersion length on request** up to 600,00 mm (23,62")

Field of application: With cost efficiency, optimal use of space, reliable operation, easy commissioning and hygienic design the TMR35 fulfills all the requirements in the Food & Beverage as well as in the Life Science industries. A variety of hygienic process connections leads to a high flexibility.

Features and specifications

Thermometer

Measuring principle

Resistance Temperature Detector

Characteristic / Application

metric style
compact temperature probe
fast response time
hygienic design
hygienic process connection
with or without neck

Thermowell / protection tube

without (not intended to be used with thermowell)
to be used with thermowell
incl. T-/ellbow thermowell

Insert / probe

pipe version, isolated wires, not flexible

Outer diameter protection tube / Insert

3,0 mm (0,12")
6,0 mm (0,24")

Max. immersion length on request

up to 600,00 mm (23,62")

Material protection tube/ thermowell

1.4404 (316L)

Process connection

hygienic:
conical sealing system G1/2" (metal)
clamp connections acc. to ISO 2852 / DIN 32676
screwed pipe joint acc. to DIN 11851
Varivent

Thermometer

Tip shape

straight

Surface roughness Ra

0,4 µm (16 µin.)

0,8 µm (32 µin.)

Operating temperature range

PT 100:

-50 °C ...200 °C

(-58 °F ...392 °F)

Max. process pressure (static)

at 20 °C: 100 bar (1.450 psi)

Accuracy

class A acc. to IEC 60751

Response timet₅₀ = 1 st₉₀ = 2 s**Integration head transmitter**

no (4...20mA Signal)

Certification

3A

Marine approval

UL 3111-1

EAC

More information www.at.endress.com/TMR35