

# Easytemp TMR35

## Hygienic compact thermometer

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



from **CHF95.00**

Price as of 23.04.2021

More information and current pricing:

[www.ch.endress.com/TMR35](http://www.ch.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**  $t_{50} = 1 \text{ s}$   $t_{90} = 2 \text{ s}$
- **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.

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## Features and specifications

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### Thermometer

**Measuring principle**

Resistance Temperature Detector

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**Characteristic / Application**

metric style

compact temperature probe

fast response time

hygienic design

hygienic process connection

with or without neck

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**Thermowell / protection tube**

without (not intended to be used with thermowell)

to be used with thermowell

incl. T-/ellbow thermowell

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**Insert / probe**

pipe version, isolated wires, not flexible

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**Outer diameter protection tube / Insert**

3,0 mm (0,12")

6,0 mm (0,24")

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**Max. immersion length on request**

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

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## Thermometer

**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

**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

Thermometer

**Response time**

t50 = 1 s

t90 = 2 s

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**Integration head transmitter**

no (4...20mA Signal)

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**Certification**

3A

Marine approval

UL 3111-1

EAC

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More information [www.ch.endress.com/TMR35](http://www.ch.endress.com/TMR35)