

## MLTTS00

### Modular thermometer with RTD or TC insert

Designed for use in the Oil & Gas industry. For installation in already existing thermowells



More information and current pricing:

[www.apsc.endress.com/MLTTS00](http://www.apsc.endress.com/MLTTS00)

#### Benefits:

- High degree of flexibility thanks to modular design with standard terminal heads as per DIN EN 50446 and customer-specific immersion lengths
- Types of protection for use in hazardous locations: Intrinsic Safety (Ex ia)

#### Specs at a glance

- **Accuracy** RTD Class A acc. to IEC 60751 TC class 1 acc. To EN 60584
- **Response time** depending on configuration
- **Max. process pressure (static)** depending on Thermowell
- **Operating temperature range** PT100: -50...500°C TC up to 1100°C
- **Max. immersion length on request** Not defined

**Field of application:** The modular and robust thermometer finds its use in applications for the Oil & Gas industry but also 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. The thermometer can be ordered either with resistance (RTD) or with thermocouple (TC) insert.

#### Features and specifications

**Thermometer****Measuring principle**

Resistance Temperature Detector

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**Characteristic / Application**

metric style

modular temperature assembly

universal range of application

suitable for hazardous areas

with neck

to use with thermowell

usable with insert StrongSens

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**Thermowell / protection tube**

to be used with thermowell

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**Insert / probe**

mineral insulated (MI), flexible

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**Outer diameter protection tube / Insert**

Insert: 6,0mm (0,24")

Insert: 8,0mm Sleeve

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**Max. immersion length on request**

Not defined

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**Material protection tube/ thermowell**

to be assembled into existing thermowell

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**Process connection**

Thermometer connection G1/2" special fitting

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## Thermometer

**Operating temperature range**

PT100: -50...500°C

TC up to 1100°C

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**Max. process pressure (static)**depending on Thermowell

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**Accuracy**

RTD Class A acc. to IEC 60751

TC class 1 acc. To EN 60584

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**Response time**depending on configuration

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**Integration head transmitter**yes (4 ... 20 mA HART; PROFIBUS PA; FOUNDATION  
FIELDBUS)

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**Ex - approvals**ATEX Ex ia

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**Certification**Not defined

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