

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.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

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

Thermowell / protection tube

to be used with thermowell

Insert / probe

mineral insulated (MI), flexible

Outer diameter protection tube / Insert

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

Insert: 8,0mm Sleeve

Max. immersion length on request

Not defined

Material protection tube/ thermowell

to be assembled into existing thermowell

Process connection

Thermometer connection G1/2" special fitting

Thermometer

Operating temperature range

PT100: -50...500°C

TC up to 1100°C

Max. process pressure (static)depending on Thermowell

Accuracy

RTD Class A acc. to IEC 60751

TC class 1 acc. To EN 60584

Response timedepending on configuration

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

Ex - approvalsATEX Ex ia

CertificationNot defined

More information www.endress.com/MLTTS00