

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.de.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

Operating temperature range

PT100: -50...500°C

TC up to 1100°C

Max. process pressure (static)

depending on Thermowell

Thermometer

Accuracy

RTD Class A acc. to IEC 60751

TC class 1 acc. To EN 60584

Response time

depending on configuration

Integration head transmitter

yes (4 ... 20 mA HART; PROFIBUS PA; FOUNDATION
FIELDBUS)

Ex - approvals

ATEX II1G Ex ia IIC T6

Certification

Not defined

More information www.de.endress.com/MLTTS00