

# MLTWS01

## Thermowell for temperature sensors

Designed for use in the Oil & Gas industry with flanged process connection



### Benefits:

- Thermowell fabricated from welded tubes
- The process connection is flanged
- Extension, immersion length and total length can be chosen according to process requirements
- Special versions can be manufactured according to customer requirements

### Specs at a glance

- **Maximum standard immersion length** 445 mm, other lengths on request

More information and current pricing:

[www.at.endress.com/MLTWS01](http://www.at.endress.com/MLTWS01)

**Field of application:** This protection tube is an important component for temperature measurement points for almost all industrial processes, especially for Oil & Gas industries. It is used to protect the measuring insert or sensor elements from aggressive process media, high pressures and flow rates from the temperature sensor itself and thereby enables the thermometer to be exchanged during operation.

## Features and specifications

### Thermowell

#### Measuring principle

Fabricated Thermowell

#### Characteristic / Application

Fabricated protection tube

Similar to DIN 43772 Form 2F/3F

## Thermowell

**Head connection**

external thread: M24 x 1.5

**Maximum standard immersion length**

445 mm, other lengths on request

**Process connection**

Flange:

DN25 PN40 B1 (EN1092-1)

DN25 PN63 B1 (EN1092-1)

**Thermowell root diameter**

16 x 10 mm

**Medium contact material**

1.4571

**Tip shape**

Reduced Ø12 x 7 x 50 mm

**Temperature range**

200...600 °C (-328...1.112 °F)

**Max. process pressure at 400 °C**Depending on pressure rating up to  
PN63More information [www.at.endress.com/MLTWS01](http://www.at.endress.com/MLTWS01)