

# Thermowell S.A.Style TLSW1



More information and current pricing:

[www.cz.endress.com/TLSW1](http://www.cz.endress.com/TLSW1)

## Benefits:

- For accuracy, the immersion length should be long enough to permit the entire temperature sensitive portion of the thermometer bulb, or the thermocouple element, to project into the temperature medium to be measured.
- Thermocouples have a short sensitive portion and can be used with protection tubes having short immersion lengths. Resistance (RTD) thermometers have sensitive portions between 25 and 50 mm long.
- Generally the material chosen for a specific installation is governed by corrosion conditions to which the thermowell is exposed.

## Specs at a glance

- **Max. process pressure (static)** 100 bar (1450 psi)
- **Maximum standard immersion length** 1.000 mm (39,37")
- **Max. immersion length on request** Not defined

**Field of application:** Generally the material chosen for a specific installation is governed by corrosion conditions to which the thermowell is exposed. In some instances, strength is a primary requirement while corrosion resistance is secondary. For accuracy of the temperature measurement, the immersion length should be long enough to permit the entire temperature sensitive portion of the thermometer bulb, or the thermocouple element, to project into the temperature medium to be measured.

## Features and specifications

Thermowell

Measuring principle

## Thermowell

**Characteristic / Application**

metric style  
threaded process connection  
hexagonal extension

---

**Head connection**

Internal thread:  
NPT 1/2"  
G 1/2"

---

**Maximum standard immersion length**

1.000 mm (39,37")

---

**Max. immersion length on request**

Not defined

---

**Process connection**

Thread:  
NPT 1/2"  
NPT 3/4"  
G1/2"

---

**Thermowell root diameter**

10 mm (0,39")  
12 mm (0,47")  
1/4" SCH40  
1/4" SCH80

---

**Medium contact material**

1.4404 (316L)

---

**Wetted part finishing (Ra)**

Not defined

---

**Tip shape**

straight

---

Thermowell

**Temperature range**

-200...650 °C (-328...1.202 °F)

---

**Max. process pressure (static)**

100 bar (1450 psi)

---

**Max. process pressure at 400 °C**

46 bar (667 psi)

---

More information [www.cz.endress.com/TLSW1](http://www.cz.endress.com/TLSW1)