

Resistance temperature probe, PFA-encapsulated

TF101P

Introduction

This RTD probe uses a fully PFA-encapsulated measuring tip that helps protect against moisture and corrosion, making it suitable for demanding environments with many chemicals and oils.

The small 3x50mm tube supports a fast response of approx. 8 s in water at 0.4 m/s. DIN class A accuracy and a -60 ... +250 °C measuring range provide dependable temperature readings for process, laboratory and cleaning-related tasks.

The welded measuring tip provides IP68 and supports simple cleaning and sterilization. Standard cable lengths are 1 m, 2 m and 3 m. Pt1000 versions are also available, and selected Pt100 variants can be supplied with a V4A protection tube Ø 4 mm, EL = 50 mm.



Protected sensing

Full PFA encapsulation helps protect the measuring tip against moisture and corrosion.



Accurate Pt100

DIN class A accuracy supports reliable readings from -60 ... +250 °C.



Fast response

3x50 mm probe diameter enables approx. 8 s response in water at 0.4 m/s.



Waterproof tip

Welded measuring tip provides IP68.



View product on our website

prod.senseca.apprunner.info/en/product/tf101p-resistance-temperature-probe-pfa-encapsulated

Features

Pt100 measuring element

The probe uses a fully PFA-encapsulated Pt100 measuring element.

4-wire connection

The electrical connection uses 4 x 0.14 mm² nickel-plated copper strands.

Probe geometry

The sensor has a 3 mm nominal diameter for use in narrow installation spaces.

Cable lengths

Standard versions are listed with 1 m, 2 m and 3 m cable length.

Pt1000 option

The source states that the probe is also available with Pt1000.

Mechanical protection

Selected Pt100 variants are available with a V4A protection tube Ø 4 mm and EL = 50 mm.

Instructions

Dimensions

