

## Probes overview

### Tastotherm Probes overview

for the Profi - Series Probes with NiCr-Ni thermocouples guarantee exact measuring values across the measuring range. Probes/ Specification Order-No. Standard probes  
Tolerance class 1 to DIN IEC 584

#### OT 2000

Probe for surface and immersion measurement,  
up to 600°C

Response time: 5 s, Cable: 1.5 m 3 759 110 BT 2000

Mineral insulated probe, extremely thin and fast, up to 1100°C

Response time: 3 s, Cable: 1.5 m 3 759 140 ET 2000

Puncture/ immersion probe with slant tipped sheath, up to 600°C

Response time: 5 s, Cable: 1.5 m 3 759 130 Probes/ Specification

Order-No.

Probes for surface and immersion measurement up to 600°C,  
for immersion short term up to 800°C

Tolerance class 2 to DIN IEC 584 OT 1301

Standard probe in 3 different lengths

Response time: 5 s, Spiral cable: 1.8 m 60 mm  
150 mm

250 mm 3 741 020

3 741 210

3 741 010 FOT 1301

Flexible sheath with a constant  
application force of 20 N

Response time: 5 s, Spiral cable: 1.8 m 60 mm  
150 mm

250 mm 3 741 120

3 741 220

3 741 110 HOT 1301

Probe for measurement of places

difficult to access

Response time: 5 s, Spiral cable: 1.8 m 120 mm  
210 mm 3 741 170

3 741 030 Probes/ Specification

Order-No. Special probes for surface measurement

Tolerance 2 to DIN IEC 584 O 1301

Standard probe up to 1100°C

(short time up to 1200°C)

Response time: 12 s, Spiral cable: 1.8 m 3 741 180 WO 1301

Cylinder probe up to 250°C, spring-clamped thermocouple for cylindrical objects

Response time: 2 s, Spiral cable: 1.8 m 3 741 080 GO 1301

Band surface probe up to 500°C

Response time: 1-2 s, Spiral cable: max. length 1.8 m 3 741 130 HO 1301M (12/ 22 mm)

Angle band surface probe up to 300°C

Response time: 1-2 s, Spiral cable: 1.8 m

3 741 140 HO 1301L (15/ 50 mm)

Right angle band surface probe up to 500°C

Response time: 1-2 s, Spiral cable: 1.8 m

3 741 090 RO 2000

Roller surface probe up to 200°C,

for running cylinders or sheets up to 200 m/ min

Response time: 3.5 s, Spiral cable: 1.8 m 3 741 190

Probes/ Specification

Order-No. Special probes for immersion measurement only

gaseous, liquid or plastic media

Tolerance class 1 to DIN IEC 584 BT 1301

Mineral insulated probe, inconel sheath,

very robust, short time up to 1100°C,

short time up to 1200°C

Response time: 5 s, Spiral cable: 1.8 m 3 741 040 BT 1301D

Extremely thin and fast probe, mineral insulated, inconel sheath, up to 1100°C,

short time up to 1200°C

Response time: 0.5 s, Spiral cable: 1.8 m 3 741 050 ET 1301

Puncture probe up to 600°C with slant tipped sheath for measurement of plastic media

Response time: 3 s, Spiral cable: 1.8 m 3 741 070 ET 1301K

Puncture probe up to 600°C with slant tipped sheath and adjustable depth gauge  
for measurement of plastic media

Response time: 3 s, Spiral cable: 1.8 m 3 741 060 FT 1301

Flexible thermocouple probe up to 350°C, measurement in ovens or in electrical applications 3 758 270 FT 1202

Exposed thermocouple element, thermal wire glass fibre insulated up to 400°C,  
with plug and 2 m thermal cable 3 758 250

All response times: T99 in water

Please ask, if special kind of probes are needed.