

Air probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Robust air probe, T/C Type K</li> </ul>	<p>115 mm Ø 4 mm</p>	-60 to +400 °C	Class 2	25 s	0602 1793
Surface probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, T/C Type K</li> </ul>	<p>115 mm Ø 5 mm</p>	-60 to +300 °C	Class 2	3 s	0602 0393
<ul style="list-style-type: none"> <li>Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type K</li> </ul>	<p>115 mm Ø 5 mm</p>	-60 to +400 °C	Class 2	30 s	0602 1993
<ul style="list-style-type: none"> <li>Fast-action surface probe with sprung thermocouple strip, bent, also for uneven surfaces, measurement range short-term to +500°C, T/C Type K</li> </ul>	<p>80 mm Ø 5 mm</p>	-60 to +300 °C	Class 2	3 s	0602 0993
<ul style="list-style-type: none"> <li>Efficient, waterproof surface probe with small measurement head for flat surfaces, T/C Type K</li> </ul>	<p>150 mm Ø 2.5 mm</p>	-60 to +1000 °C	Class 1	20 s	0602 0693
<ul style="list-style-type: none"> <li>Flat head surface probe with telescopic handle max. 600 mm for measurements at hard-to-access points, T/C Type K</li> </ul>	<p>660 mm 12 mm Ø 25 mm</p>	-50 to +250 °C	Class 2	3 s	0602 2394
<ul style="list-style-type: none"> <li>Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces</li> </ul>	<p>35 mm Ø 20 mm</p>	-50 to +170 °C	Class 2		0602 4792
<ul style="list-style-type: none"> <li>Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces</li> </ul>	<p>75 mm Ø 21 mm</p>	-50 to +400 °C	Class 2		0602 4892
<ul style="list-style-type: none"> <li>Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter up to max. 120 mm, T<sub>max</sub> +120°C</li> </ul>	<p>395 mm 20 mm</p>	-50 to +120 °C	Class 1	90 s	0628 0020
<ul style="list-style-type: none"> <li>Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Measurement range short-term to +280°C, T/C Type K</li> </ul>		-60 to +130 °C	Class 2	5 s	0602 4592
<ul style="list-style-type: none"> <li>Spare meas. head for pipe wrap probe</li> </ul>	<p>35 mm 15 mm</p>	-60 to +130 °C	Class 2	5 s	0602 0092
<ul style="list-style-type: none"> <li>Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C</li> </ul>		-50 to +100 °C	Class 2	5 s	0602 4692
Immersion/penetr. probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Efficient and fast-action immersion probe, waterproof, T/C Type K</li> </ul>	<p>Ø 1.5 mm 300 mm</p>	-60 to +1000 °C	Class 1	2 s	0602 0593
<ul style="list-style-type: none"> <li>Super-quick, waterproof immersion/penetration probe, T/C Type K</li> </ul>	<p>60 mm Ø 5 mm</p>	-60 to +800 °C	Class 1	3 s	0602 2693
<ul style="list-style-type: none"> <li>Immersion tip, flexible</li> </ul>	<p>Ø 1.5 mm 500 mm</p>	-200 to +1000 °C	Class 1	5 s	0602 5792
<ul style="list-style-type: none"> <li>Waterproof immersion/penetration probe, T/C Type K</li> </ul>	<p>114 mm Ø 5 mm</p>	-60 to +400 °C	Class 2	7 s	0602 1293
Thermocouples	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Thermocouple with T/C adapter, flexible, 800mm long, fibre glass, T/C Type K</li> </ul>	<p>800 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2	5 s	0602 0644
<ul style="list-style-type: none"> <li>Thermocouple with T/C adapter, flexible, 1500mm long, fibre glass, T/C Type K</li> </ul>	<p>1500 mm Ø 1.5 mm</p>	-50 to +400 °C	Class 2	5 s	0602 0645
<ul style="list-style-type: none"> <li>Thermocouple with T/C adapter, flexible, 1500mm long, Teflon, T/C Type K</li> </ul>	<p>1500 mm Ø 1.5 mm</p>	-50 to +250 °C	Class 2	5 s	0602 0646
Food probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Waterproof food probe made of stainless steel (IP65), T/C Type K</li> </ul>	<p>125 mm Ø 4 mm</p>	-60 to +400 °C	Class 2	7 s	0602 2292
<ul style="list-style-type: none"> <li>Robust food probe with special handle, IP 65, reinforced cable (PUR), T/C Type K</li> </ul>	<p>115 mm Ø 5 mm</p>	-60 to +400 °C	Class 1	6 s	0602 2492
<ul style="list-style-type: none"> <li>Frozen food probe, corkscrew design, T/C Type K</li> </ul>	<p>110 mm Ø 8 mm</p>	-60 to +400 °C	Class 1	15 s	0602 3292
<ul style="list-style-type: none"> <li>Waterproof robust immersion/penetration probe with metal protection hose T<sub>max</sub> +230°C, e.g. for monitoring temp. in cooking oil, T/C Type K</li> </ul>	<p>240 mm Ø 4 mm</p>	-50 to +230 °C	Class 1	15 s	0628 1292

† The measuring instrument inside TopSafe is waterproof with this probe.



**A Radio module for upgrading measuring instrument with radio option**

Country versions	Radio freq.	Part no.
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0188
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA	915.00 MHz FSK	0554 0190

**B Radio probes for immersion/penetration measurements**

Radio immersion/penetration probes	Meas. range	Accuracy	Resolution	t <sub>99</sub>
<b>Radio immersion/penetration probe, NTC</b> 	-50 to +275 °C	±0.5 °C (-20 to +80 °C) ±0.8 °C (-50 to -20.1 °C) ±0.8 °C (+80.1 to +200 °C) ±1.5 °C (remaining range)	0.1 °C	t <sub>99</sub> (in water) 12 s
Country versions	Radio freq.	Part no.		
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0613 1001		
Radio immersion/penetration probe, NTC, approval for USA	915.00 MHz FSK	0613 1002		

**C Assembled for you: Radio handles with probe head**

Radio handles with probe head for air and immersion/penetration meas.	Meas. range	Accuracy	Resolution	t <sub>99</sub>
<b>Radio handle for attachable probe heads with T/C probe head for air and immersion/penetration measurement</b> 	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t <sub>99</sub> (in water) 10 s
Country versions	Radio freq.	Part no.		
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0189		
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K		0602 0293		
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA	915.00 MHz FSK	0554 0191		
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K		0602 0293		
Radio handles with probe head for surface measurement	Meas. range	Accuracy	Resolution	t <sub>99</sub>
<b>Radio handle for attachable probe heads with T/C probe head for surface measurement</b> 	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s
Country versions	Radio freq.	Part no.		
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0189		
Radio immersion/penetration probes/RHT/C probe head for surface measurement, attachable to radio handle, T/C Type K		0602 0394		
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA	915.00 MHz FSK	0554 0191		
T/C probe head for surface measurement, attachable to radio handle, T/C Type K		0602 0394		

**D Radio handles, separate**

Radio handles for attachable T/C probes	Meas. range	Accuracy	Resolution
Radio handle for attachable probe heads incl. adapter for attaching T/C probes (Type K)	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)
Country versions	Radio freq.	Part no.	
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0189	
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA	915.00 MHz FSK	0554 0191	

**Radio probes: General technical data**

Battery type	Radio immersion/penetration probe, NTC 2 x 3V button cell (CR 2032)	Radio handle 2 AAA micro batteries	Measuring rate	0.5 s or 10 s, adjustable on handle	Radio transmission	Unidirectional
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)				
			Radio coverage	Up to 20 m (without obstructions)	Oper. temp.	-20 to +50 °C
					Storage temp.	-40 to +70 °C