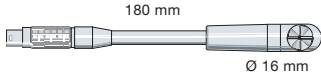
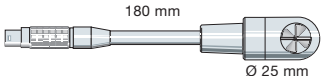
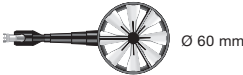

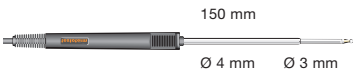
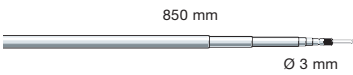

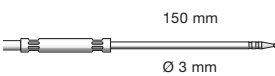
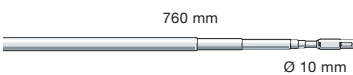
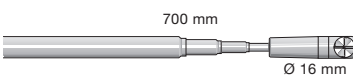
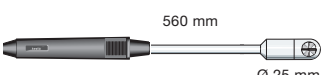






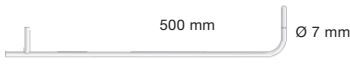
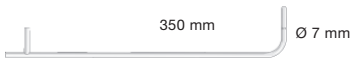

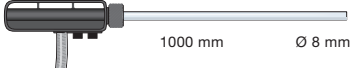

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Part no.
Flow velocity probes				
Vane/temperature probe, Ø 16 mm, attachable to 0430 3545 handle or 0430 0941 telescopic handle		+0.6 to +60 m/s -30 to +140 °C	$\pm(0.2 \text{ m/s} + 1\% \text{ of m.v.}) (+0.6 \text{ to } +40 \text{ m/s})$ $\pm(0.2 \text{ m/s} + 2\% \text{ of m.v.}) (+40.1 \text{ to } +50 \text{ m/s})$	0635 9540
Vane/temperature probe, Ø 25 mm, can be attached to 0430 3545 handle or 0430 0941 telescopic handle		+0.6 to +40 m/s -30 to +140 °C	$\pm(0.2 \text{ m/s} \pm 1\% \text{ of m.v.}) (+0.6 \text{ to } +40 \text{ m/s})$	0635 9640
Bendable vane probe (can be bent by 90°), Ø 60 mm, attachable to handle 0430 3545 or telescopic handle 0430 0941, for meas. on ventilation outlets		+0.25 to +20 m/s Operating temperature 0 to +60 °C	$\pm(0.1 \text{ m/s} \pm 1.5\% \text{ of m.v.}) (+0.25 \text{ to } +20 \text{ m/s})$	0635 9440
Bendable vane probe (can be bent by 90°), Ø 100 mm, attachable to handle 0430 3545 or telescopic handle 0430 0941, for measurements on ventilation outlets		+0.1 to +15 m/s Operating temperature 0 to +60 °C	$\pm(0.1 \text{ m/s} \pm 1.5\% \text{ of m.v.}) (+0.1 \text{ to } +15 \text{ m/s})$	0635 9340
Affordable, robust hot bulb probe, Ø 3 mm, for measurements in the lower velocity range, with handle		0 to +10 m/s -20 to +70 °C	$\pm(0.03 \text{ m/s} \pm 5\% \text{ of m.v.}) (0 \text{ to } +10 \text{ m/s})$	0635 1549
Robust hot bulb probe, Ø 3 mm, with handle and telescopic handle for measurements in the lower velocity range		0 to +10 m/s -20 to +70 °C	$\pm(0.03 \text{ m/s} \pm 5\% \text{ of m.v.}) (0 \text{ to } +10 \text{ m/s})$	0635 1049
Quick-action hot wire probe, Ø 10 mm, with telescopic handle, for measurements in the lower velocity range with direction recognition		0 to +20 m/s -20 to +70 °C	$\pm(0.03 \text{ m/s} \pm 4\% \text{ of m.v.}) (0 \text{ to } +20 \text{ m/s})$	0635 1041
Robust hot bulb probe, Ø 3 mm, for measurements in the lower velocity range, 2m cable (PVC)		0 to +10 m/s -20 to +70 °C	$\pm(0.03 \text{ m/s} \pm 5\% \text{ of m.v.}) (0 \text{ to } +10 \text{ m/s})$	0628 0035
Thermal anemometer probe, Ø 10 mm, w. telescopic handle, measures air flow in lab fume cupboards to DIN EN 14175		0 to +5 m/s 0 to +50 °C	$\pm(0.02 \text{ m/s} \pm 5\% \text{ of m.v.}) (0 \text{ to } +5 \text{ m/s})$	0635 1047
Vane probe, Ø 16 mm, with telescopic handle, Tmax +60°C		+0.6 to +40 m/s	$\pm(0.2 \text{ m/s} \pm 1.5\% \text{ of m.v.}) (+0.6 \text{ to } +40 \text{ m/s})$	0628 0005
High temperature vane probe, Ø 25 mm, with handle for continuous measurements up to +350°C		+0.6 to +20 m/s -40 to +350 °C	$\pm(0.3 \text{ m/s} \pm 1\% \text{ of fsv}) (+0.6 \text{ to } +20 \text{ m/s})$	0635 6045

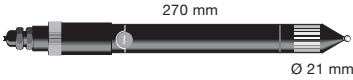




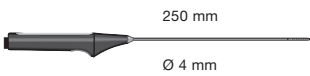

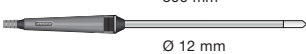
Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Part no.
Pressure				
Precision pressure probe, 100 Pa, measures differential pressure and velocities (in combination with Pitot tube)		0 to +100 Pa	$\pm(0.3 \text{ Pa} + 0.5\% \text{ of m.v.})$ (0 to +100 Pa)	0638 1345
Pressure probe, 10 hPa, measures differential pressure and velocities (in combination with Pitot tube)		0 to +10 hPa	$\pm 0.03 \text{ hPa}$ (0 to +10 hPa)	0638 1445
Pressure probe, 100 hPa, measures differential pressure and velocities (in combination with Pitot tube)		0 to +100 hPa	$\pm 0.5\% \text{ of m.v.}$ (+20 to +100 hPa) $\pm 0.1 \text{ hPa}$ (0 to +20 hPa)	0638 1545
Pressure probe, 2000 hPa, measures absolute pressure		0 to +2000 hPa	$\pm 5 \text{ hPa}$ (0 to +2000 hPa)	0638 1645

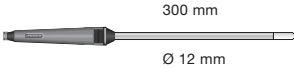
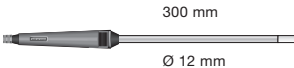





Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Part no.
Pitot tubes			
Pitot tube, 500 mm long, Ø 7 mm, stainless steel, for measuring flow velocity	 500 mm Ø 7 mm	Operating temperature 0 to +600 °C	0635 2045
Pitot tube, 350 mm long, Ø 7 mm, stainless steel, for measuring flow velocity	 350 mm Ø 7 mm	Operating temperature 0 to +600 °C	0635 2145
Pitot tube, 1000 mm long, stainless steel, for measuring flow velocity	 1000 mm Ø 7 mm	Operating temperature 0 to +600 °C	0635 2345
Pitot tube, stainless steel, 1000 mm long, measures velocity with temperature, for pressure probes 0638 1345/..1445/..1545	 1000 mm Ø 8 mm	Probe type Type K (NiCr-Ni) -40 to +600 °C	0635 2240
Pitot tube, stainless steel, 500 mm long, measures velocity with temperature, for pressure probes 0638 1345/..1445/..1545	 500 mm Ø 8 mm	Probe type Type K (NiCr-Ni) -40 to +600 °C	0635 2140

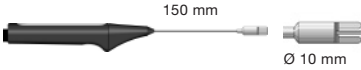
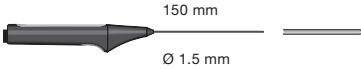
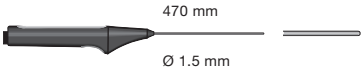
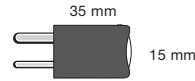
Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₀	Part no.
More probes					
3-function probe for simultaneous measurement of temperature, humidity and velocity. With plug-in head, 0430 0143 connection cable required		0 to +10 m/s 0 to +100 %RH -20 to +70 °C	±(0.03 m/s +5% of m.v.)(0 to 10 m/s) ±2 %RH (+2 to +98 %RH) ±0.4 °C (0 to +50 °C) ±0.5 °C (remaining range)		0635 1540
Comfort level probe for measuring degree of turbulence, with telescopic handle and stand. Fulfills EN 13779 requirements		0 to +5 m/s 0 to +50 °C	±(0.03 m/s +4% of m.v.) (0 to +5 m/s) ±0.3 °C (0 to +50 °C)		0628 0009
Ambient CO ₂ probe, Plug-in head, connection cable 0430 0143 or 0430 0145 required		0 ... +1 Vol. % CO ₂ 0 ... +10000 ppm CO ₂	±(75 ppm CO ₂ +3% of m.v.) (0 to +5000 ppm CO ₂) ±(150 ppm CO ₂ +5% of m.v.) (+5001 to +10000 ppm CO ₂)		0632 1240
Ambient CO probe, for detecting CO in buildings and rooms; 0 to +500 ppm		0 to +500 ppm CO	±5% of m.v. (+100.1 to +500 ppm CO) ±5 ppm CO (0 to +100 ppm CO)		0632 3331
Humidity probes					
Standard ambient air probe up to +70°C, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +70 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (remaining range)	12 s	0636 9740
Thin humidity probe incl. 4 attachable protection caps for ambient air measurements, measurements in exhaust air ducts and equilibrium moisture measurements, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +70 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (-20 to -10.1 °C) ±0.5 °C (+50.1 to +70 °C)	15 s	0636 2130
Highly accurate reference humidity/temp. probe, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +70 °C	±1 %RH (+10 to +90 %RH)* ±2 %RH (remaining range) ±0.2 °C (+10 to +40 °C) ±0.4 °C (remaining range) * in the temperature range from +15°C to +30°C	12 s	0636 9741
High humidity level probe w/ heated sensor element, no humidity on sensor, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +85 °C	±2.5 %RH (0 to +100 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (-20 to -10.1 °C) ±0.5 °C (+50.1 to +100 °C)	30 s	0636 2142

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₀	Part no.
Humidity probes					
Robust humidity probe e.g. for measuring equilibrium moisture or for measurements in exhaust ducts to +120°C, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +120 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (remaining range)	30 s	0636 2140
Robust high temperature/humidity probe up to +180°C, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +180 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (+0.1 to +50 °C) ±0.5 °C (remaining range)	30 s	0628 0021
Flexible humidity probe (does not retain shape) for measurements in inaccessible places, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -20 to +180 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (+0.1 to +50 °C) ±0.5 °C (-20 to 0 °C) ±0.5 °C (+50.1 to +180 °C)	30 s	0628 0022
Standard pressure dewpoint probe for measurements in compressed air systems, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -40 to +50 °C tpd	±0.9 °C tpd (+5 to +50 °C tpd) ±1 °C tpd (0 to +4.9 °C tpd) ±2 °C tpd (-5 to -0.1 °C tpd) ±3 °C tpd (-10 to -5.1 °C tpd) ±4 °C tpd (-20 to -10.1 °C tpd)		0636 9840
Precision pressure dewpoint probe for measurements in compressed air systems incl. cert. with test point -40 °C tpd, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0 to +100 %RH -40 to +50 °C tpd	±0.8 °C tpd (-4.9 to +50 °C tpd) ±1 °C tpd (-9.9 to -5 °C tpd) ±2 °C tpd (-19.9 to -10 °C tpd) ±3 °C tpd (-29.9 to -20 °C tpd) ±4 °C tpd (-40 to -30 °C tpd)		0636 9841
Humidity/temperature probe, Plug-in head. connection cable 0430 0143 or 0430 0145 required		0... +100 %RH -20 to +70 °C	±2 %RH (+2... +98 %RH) ±0.4 °C (+0.1 to +50 °C) ±0.5 °C (-20 to 0 °C) ±0.5 °C (+50.1 to +70 °C)	12 s	0636 9742
Probes aw value					
aw value set: pressure-tight precision humidity probe with certificate, measurement chamber and 5 sample bowls (plastic), Reproducibility of aw value ±0.003		0 to +1 aW 0 to +100 %RH -20 to +70 °C	±0.01 aW (+0.1 to +0.9 aW) ±0.02 aW (+0.9 to +1 aW) ±1 %RH (+10 to +90 %RH) ±2 %RH (0 to +10 %RH) ±2 %RH (+90 to +100 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (remaining range)		0628 0024
Measuring chamber completely					0554 9860

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₉	Part no.
Type K (NiCr-Ni)					
Quick-action surface probe, Plug-in head. connection cable 0430 0143 or 0430 0145 required		-200 to +300 °C	Class 2 ¹⁾	3 s	0604 0194
Super quick-action immersion/penetration probe for measurements in liquids, Plug-in head. connection cable 0430 0143 or 0430 0145 required		-200 to +600 °C	Class 1 ¹⁾	1 s	0604 0493
Super quick-action immersion/penetration probe for high temperatures, Plug-in head. connection cable 0430 0143 or 0430 0145 required		-200 to +1100 °C	Class 1 ¹⁾	1 s	0604 0593
Spare meas. head for pipe wrap probe, TC Type K		-60 to +130 °C	Class 2 ¹⁾	5 s	0602 0092

1) According to standard EN 60584-2, the accuracy of Classes 1 / 2 refer to -40 to +1000/+1200 °C.