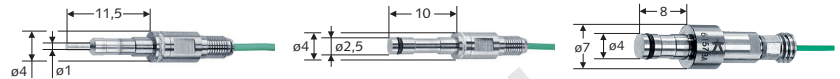


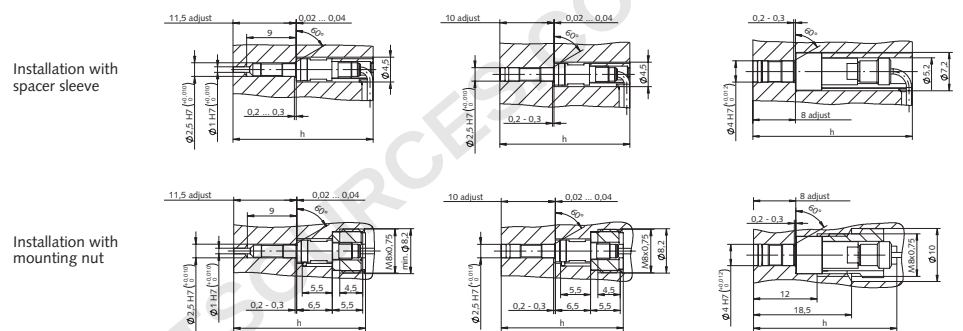
Direct Cavity Pressure and Temperature Measurement – Installation-Compatible Sensors

Summary table p+T

Front diameter	1 mm	2,5 mm	4 mm
Measured variables (p: pressure; T: temperature)	p+T	p+T	p+T
Technical Data	Type	6189A... ¹⁾	6190C... ¹⁾



Installation sketch



h = minimum installation height, see table

Measuring range

Temperature	°C	0 ... 200	0 ... 200	0 ... 200
Pressure	bar	0 ... 2000	0 ... 2000	0 ... 2000
Sensitivity	pC/bar	≈ -4,8	≈ -6,5	≈ -9

Sensor front

Machinable	–	–	–
Option: Abrasion protection (not machinable)	–	–	–

Cable technology

Single-wire, with/without connector ²⁾	•	•	•
Single-wire, with crimp contact ³⁾	–	–	–
Coaxial, with standard 4)/customer specific cable length ⁵⁾	–	–	–
Conductive spacer sleeve	–	–	–
Compensating cable with standard ⁶⁾ / customer specific cable length ⁷⁾	•	•	•
Exchangeable cable	at Kistler	at Kistler	•

Operating temperature

Melt temperature	°C	<450	<450	<450
Mold temperature	°C	<200	<200	<200

Applications + characteristics

Thermoplastics	Thermoplastics	Thermoplastics Thermosets Elastomers LSR
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Accessories

Spacer sleeve	Type	6464A3 ⁸⁾	6464A3 ⁸⁾	6459
Minimum installation height	mm	36	33	37
Mounting nut	Type	–	–	6457 ⁸⁾
Minimum installation height	mm	–	–	30
Data sheet, see www.kistler.com		6188A (000-887)	6189A (000-536)	6190C (000-680)

• Variant available – Variant not available ¹⁾ Standard product ²⁾ Cable can be shortened by user, standard length 1.5/5 m

³⁾ Connection to contact element 1712/1714A, Customer-specific length (l_{min} = 0.1 m/l_{max} = 1.5 m) ⁴⁾ l=0.2/0.4/0.6/0.8 m

⁵⁾ Customer-specific length (l_{min} = 0.1 m/l_{max} = 5 m) ⁶⁾ l=0.4/0.8/1.2/1.6/2 m ⁷⁾ Customer-specific length (l_{min} = 0.15 m/l_{max} = 5 m) ⁸⁾ Delivered accessories