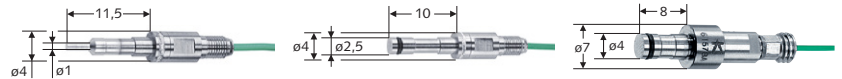


Direct Cavity Pressure and Temperature Measurement – Installation-Compatible Sensors

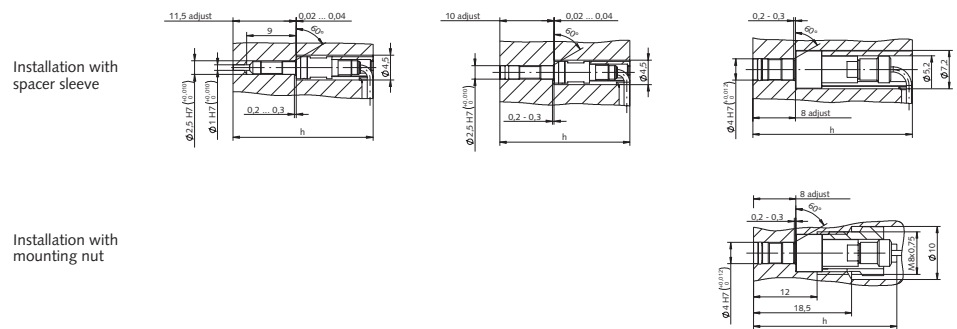
Summary table p+T

Types 6188A..., 6189A..., 6190C...

| Front diameter | 1 mm | 2,5 mm | 4 mm |
|--|----------------------|-------------------------------|-------------------------------|
| Measured variables (p: pressure; T: temperature) | p+T | p+T | p+T |
| Technical Data | Type 6188A... | 6189A... ¹⁾ | 6190C... ¹⁾ |



Installation sketch



h = minimum installation height, see table

Measuring range

| | | | | |
|-------------|--------|------------|------------|------------|
| Temperature | °C | 0 ... 450 | 0 ... 450 | 0 ... 450 |
| 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 |
|--|----------------|----------------|---|

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