

Direct Cavity Pressure Measurement – Installation-Compatible Sensors

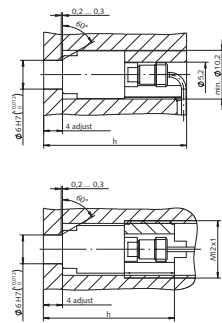
Types 6152A..., 6162A..., 6163A...

Summary table $\varnothing 6$ mm

| Front diameter | 6 mm | 6 mm | 6 mm |
|--|-----------------------------|----------|----------|
| Measured variables (p: pressure; T: temperature) | p | p | p |
| Technical Data | Type 6152A... ¹⁾ | 6162A... | 6163A... |



Installation sketch



h = minimum installation height, see table

Measuring range

| | | | | |
|-------------|--------|----------------|-----------|------------|
| Temperature | °C | – | – | – |
| Pressure | bar | 0 ... 2000 | 0 ... 200 | 0 ... 1000 |
| Sensitivity | pC/bar | –9,4 (Unisens) | ≈ –18,5 | ≈ –3,9 |

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 | • | • | • |

Operating temperature

| | | | | |
|------------------|----|------|------|------|
| Melt temperature | °C | <450 | <450 | <450 |
| Mold temperature | °C | <300 | <200 | <200 |

Applications + characteristics

| | | |
|---|--|--|
| Thermoplastics Thermosets Elastomers LSR | Fiber-reinforced composites SMC/RTM welded front gap | Fiber-reinforced composites High pressure RTM Composites welded front gap |
|---|--|--|

Accessories

| | | | | |
|--|------|--------------------|--------------------|--------------------|
| Spacer sleeve | Type | 6462 | 6462 | 6462 |
| Minimum installation height | mm | 32 | 32 | 32 |
| Mounting nut | Type | 6453 ⁸⁾ | 6453 ⁸⁾ | 6453 ⁸⁾ |
| Minimum installation height | mm | 30 | 30 | 30 |
| Data sheet, see www.kistler.com | | 6152A (000-028) | 6162A (000-888) | 6163A (000-889) |

• 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