

PIEZORESISTIVE PRESSION TRANSDUCER SPxx-M10x1

Active Pressure Transducer, linear, ideal for any application: chassis (brake, gearshift pressure) or engine (oil, water, fuel pressure). The body and the diaphragm are resistant to chemical attacks by standard motorsport fluids.

Mechanical specs: core and body stainless steel AISI 316 L
Packard connector integrated. Free wires version available on request.

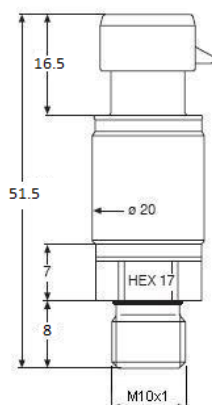
Standard calibration ranges:

<i>cod.</i>	<i>range</i>		<i>application</i>	<i>overload</i>	<i>connection</i>
SPA2,5	0÷2,5	absolute bar	air, gas, blowby	4bar	Packard connector
SPA4,5	0÷4,5	absolute bar	air, gas, blowby	10bar	Packard connector
SP6	0÷6	bar	air, water, oil, fuel	10bar	Packard connector
SP10	0÷10	bar	air, water, oil, fuel	30bar	Packard connector
SP35	0÷35	bar	air, water, oil, fuel	70bar	450mm wires output
SP50	0÷50	bar	air, water, oil, fuel	100bar	Packard connector
SP100	0÷100	bar	air, water, oil, fuel	250bar	Packard connector
SP150	0÷150	bar	air, water, oil, fuel	300bar	Packard connector
SP250	0÷250	bar	air, water, oil, fuel	400bar	Packard connector

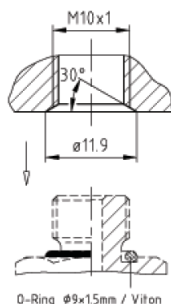
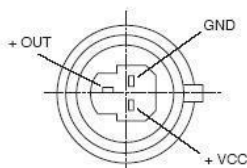


TECHNICAL SPECIFICATIONS:

- ◆ **Supply:** 5 V \pm 0,25 V
- ◆ **Output voltage:** 0,5 V...4,5V ratiometric
- ◆ **Current consumption:** 5,5mA
- ◆ **Linearization:** 0,5 V = 0 _____ 4,5 V = FS
- ◆ **MAX tightening torque:** 15 Nm
- ◆ **Accuracy (Comp. Temp.-Range) :**
 - \pm 1 %FS (10...40 °C)
 - \pm 2 %FS (0...80 °C)
 - \pm 4 %FS (-40...135 °C)
- ◆ **Vibration Resistance:** 10 g / 5...2000 Hz, axis X/Y/Z / 20 g sin. 11 ms
- ◆ **Response Time:** (0...99%) < 10 msec
- ◆ **Thread:** M10 x 1
- ◆ **Protection:** IP67
- ◆ **Weight:** \approx 50 g



ELECTRICAL CONNECTIONS
Packard-Plug



Mounting

