

## 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.

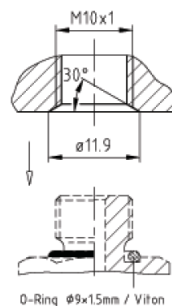
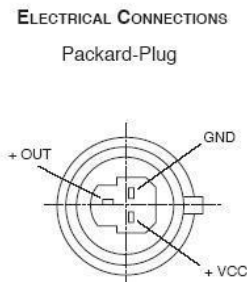
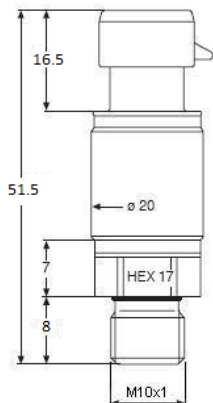


### Standard calibration ranges:

cod.	range	application	overload	connection
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 ± 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) : ± 1 %FS (10...40 °C)  
 ± 2 %FS (0...80 °C)  
 ± 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: ≈ 50 g



Mounting

