

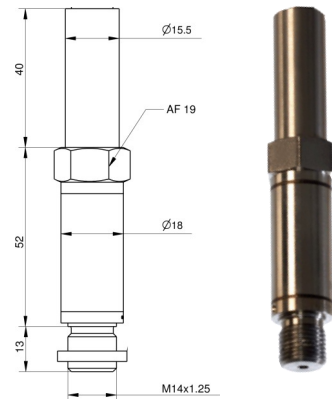
## Low Pressure Sensor LPS-01

*for gas exchange on engines*

Temperature compensated high-temperature pressure sensor to optimise gas exchange on engines.

### Characteristics

- Temperature compensated signal
- High frequency range
- Steel membrane medium separated



For a good analysis of pressure condition or pressure drop it is important to be as close to the inlet side as possible to measure on the individual cylinders. An additional challenge results from the different geometry of the intake collector as due to this the cylinders are supplied with air differently. This should be avoided as far as possible.

### Technical data

Measuring range pressure	0...10 bar, 0...20 bar
Over pressure static	20 bar, 40 bar
Frequency range	10 kHz (others on request)
Accuracy	≤1% Full scale
Max. temperature at measuring cell	300 °C (short time 1 min 350°C)
Temperature range of SCU	-40 °C ... + 75 °C
Supply voltage	18...32 VDC @100 Ω load: min. 18.0 VDC @250 Ω load: min. 20.0 VDC @500 Ω load: min. 24.8 VDC
SCU current consumption	≤ 50 mA (continuous operation); 250 mA (switch-on peak)
Output signal range	4...20 mA
Electrical connector	Plug DIN M12
Thread	M14 x 1,25
Dimension sensor	52 mm , Ø 18 mm
Dimension electronic	115 mm x 18 mm
Tightening torque	25 Nm
Weight incl. electronic	325 g