



## Small pressure sensor SPS-01

*for On-line combustion control on diesel- and gas engines*

### Characteristics

- Compact design with M8x1 thread
- Designed for thin installation places for example pre-combustion installation
- Resistant up to 300 °C
- Available with different tube length



### Application

The miniaturized SPS-01 sensor is designed, thanks to the M8 small thread, and diameter of 10mm for taking measurements at close proximity in places where access is a problem and in very thin pipes – exactly the kinds of conditions associated with small engine applications.

### Technical data

Measuring range pressure	0...300 bar, others on request
Overload pressure static	1200 bar
Load cycles	$\geq 10^8$
Frequency range	2 kHz (others on request)
Thermal shock 1500 RPM pmi=10bar	$\leq +/-0,5$ bar
Max. temperature at measuring cell	300 °C
Temperature range SCU	-40 °C...75 °C
Supply voltage	18...32 VDC
Output signal pressure	4...20 mA others on request
Electrical connector	M12
Thread	M8 x 1
Type of protection	IP 67
Dimension sensor	52 mm , Ø 10 mm
Dimension electronic	115 x 18 mm
Tightening torque	6 Nm
Weight incl. Electronic	155 g

### Scope of supply

SPS-01 small pressure sensor  
Protection cover

### Part no.

IW-5801  
IW-6211