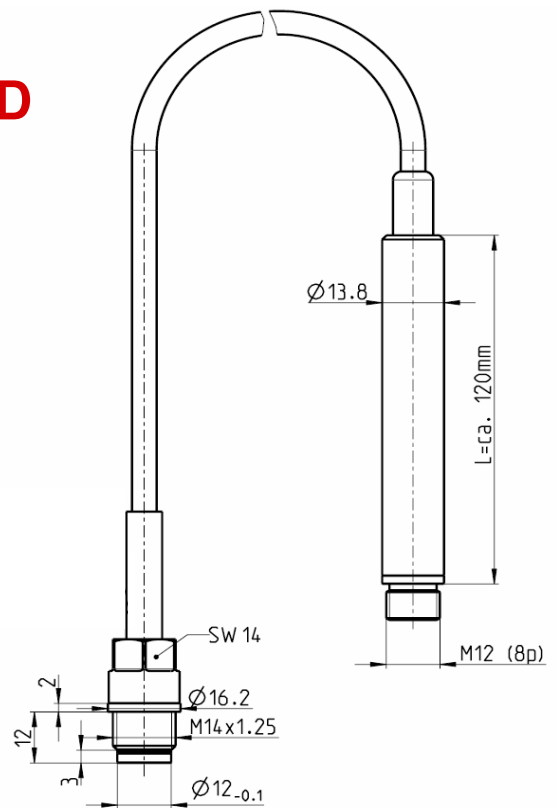


## Cylinder Pressure Sensor GO41D

Sensor with optimized service life for continuous cylinder pressure monitoring in Diesel and gas engines. Due to its outstanding precision and the long term stability of its quality, this sensor is suitable for demanding monitoring and control tasks.

The sensor contains numerous innovative details like the Double-Shell® housing, the inboard preload element as well as the Piezocryst Leak Proof Design™. These patented innovations make this sensor not only to the most precise but also the safest sensor available.

Despite its robust design, optimized for service times as long as 20000 h, deposits may influence the sensor's quality as well as corrosive exhaust gas may reduce the service life.



### CUSTOMER BENEFITS

- highest precision
- high service life and long term stable quality
- robust design for shoulder sealed or front sealed installation
- integrated charge amplifier with current or voltage output
- high quality charge amplifier with state of the art drift compensation circuit

SPECIFICATION	GO41D	GO41Di	GO41DA
Measuring range		250 bar	
Overload range		300 bar	
Sensitivity / Output	20 pC/bar	20 pC/bar	13/25/50 mV/mV/μA /bar
Linearity		0.5 % FSO	
Thermal sensitivity shift		< 1 % (150 ... 350 °C)	
Cyclic drift		0.8 bar (7 bar IMEP, 1300 rpm, Diesel)	
Temperature range		-50 ... 350 °C	
Temperature range electronics			-50 ... 120 °C
Supply voltage			Current output 80 °C 10 ... 32 V DC
Acceleration sensitivity		0.001 bar/g	
Shock resistance		2000 g (sensor)	
Mounting torque		25 Nm	
Weight		approx. 160 g	
Connector	M4	Fischer SE103	M12

