

Sensors

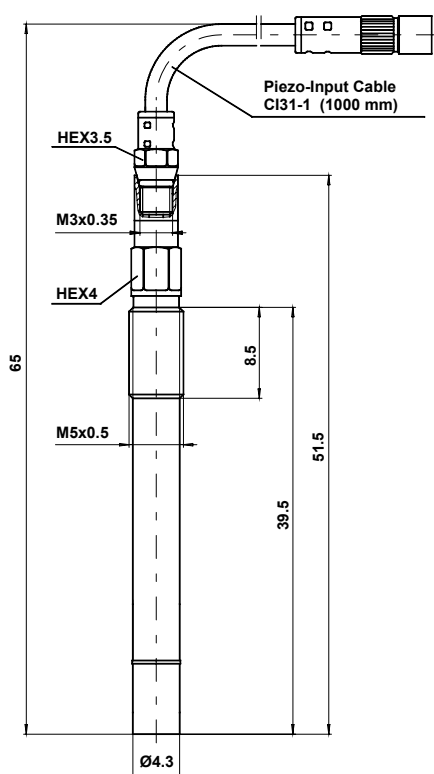


GH13P

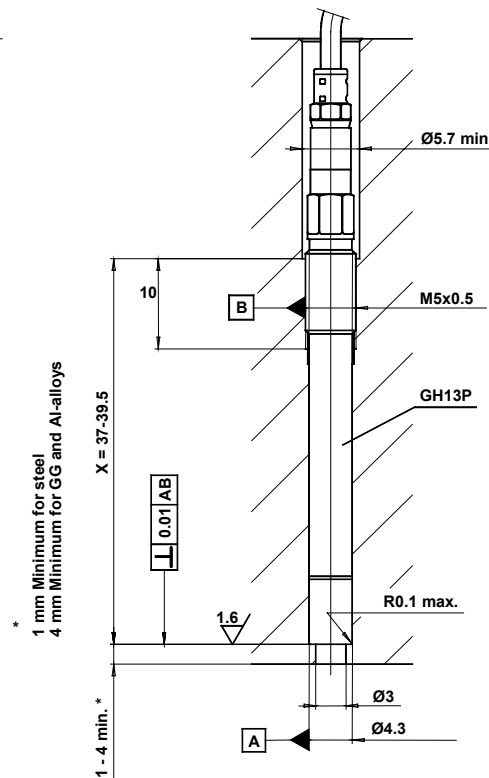
Pressure Measuring Probe

Art. Nr. TIGG0931A.01

The development of modern diesel engines needs test equipment suited for high pressures up to 250 bar combined with high reliability and high accuracy. The pressure probe GH13P was developed especially for such an application. Because of its lean design the GH13P is ideally suited as well for M10 as for M8 glow plug adapter. The virtually front flush mounting guarantees highest signal quality.



Dimensions



Example for direct installation

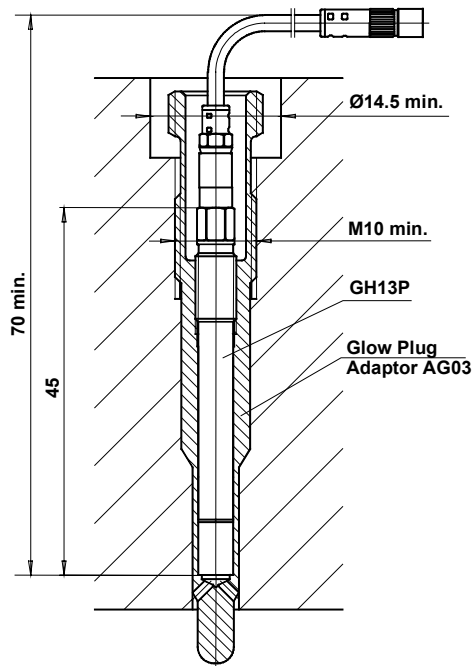
Standard Specifications	GH13P
Measurement Range	0...250 bar (3625 psi) 25 Mpa
Lifetime	> 10 ⁸ Lastwechsel
Overload Range	300 bar (4350 psi) 30 Mpa
Sensitivity (nominal)	15 pC/bar (1.03 pC/psi) 150 pC/Mpa
Linearity	< ± 0.3 % FSO
Natural Frequency	115 kHz
Acceleration Sensitivity	< 0.001 bar/g
Shock Resistance	> 2000 g
Operating Temperature Range	up to 400°C (750°F)
Thermal Sensitivity Change	20...400°C < ± 2% 200...300°C < ± 0.5%
Insulation Resistance at 20°C (68°F)	> 10 ¹³ Ω
Capacity	7 pF
Mass (without cable)	4.7 Gramm
Mounting Torque for probe	1.5 Nm
Mounting Torque for adapter	4.0 Nm
Thermodynamic Specification	
Cyclic Temperature Drift	< ± 0.5 bar
Load Change Drift Max. Zero-Line Gradient dp/dt	1 mbar/ms
Permanent Zero-Line Deviation	7 bar
IMEP-Stability	< 3%

Accessories

Cable and Coupling	CI31-1, CI31-2, CC31, E124-10
Cable-Mounting Tool	TC31
Adaptor	AG03, AG04
Mounting Tool	TS21 (TT21, TT02)
Extra Accessories	PH01, SF01

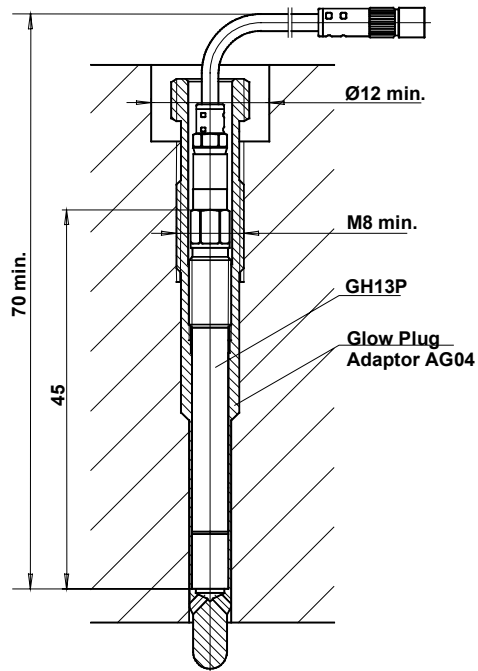
Scope of Supply

- 1 Pressure Measuring Probe GH13P
- 1 Piezo-Input Cable CI31-1 with 1 Coupling CC31 fitted
- 2 Spare O-rings for the cable
- 1 Protection Cap
- 1 Calibration Sheet
- 1 Specification Sheet
- 1 Brief Description



Mounting Torque AG03 = 4 Nm

Installation by means of
Glow Plug Adapter AG03



Mounting Torque AG04 = 4 Nm

Installation by means of
Glow Plug Adapter AG04