

Pioneering new technologies
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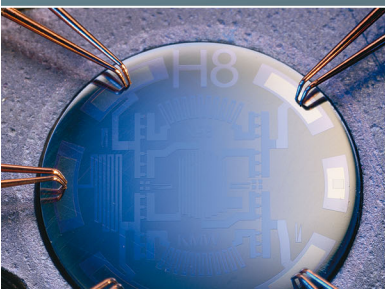
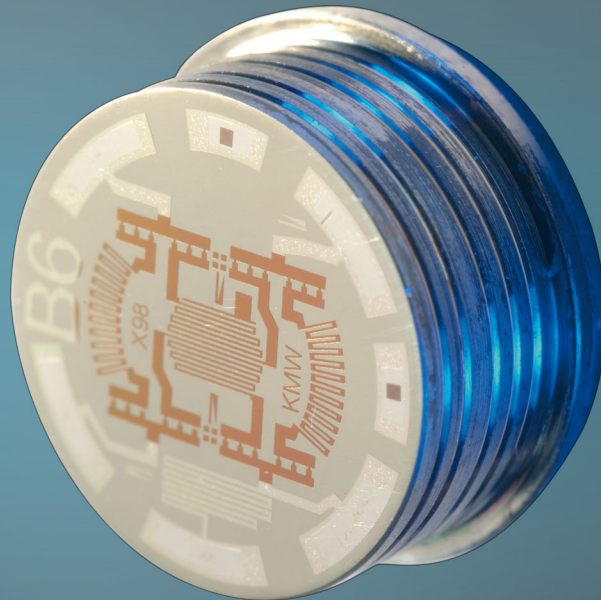


Sensor-Technik Wiedemann GmbH
Mobile Controllers and Measurement Technologies

TEC *Tect Electronics*
The authorized distributor in the Greater China Region

OEM-Pressure sensor

OEM-Pressure sensor



Characteristics

Stainless steel sensors are welded onto stainless steel adaptor/support parts and contacted with robust colour coded leads. In the standard program, sensors mounted on G 1/4" inch adapter parts are available, however application specific solutions can be realized by changing the adapter part before welding. The temperature range is up to +90°C (type C) or +200°C (type XT). For special applications a version up to 350°C is available.

Applications

- Hydraulic systems
- Control systems

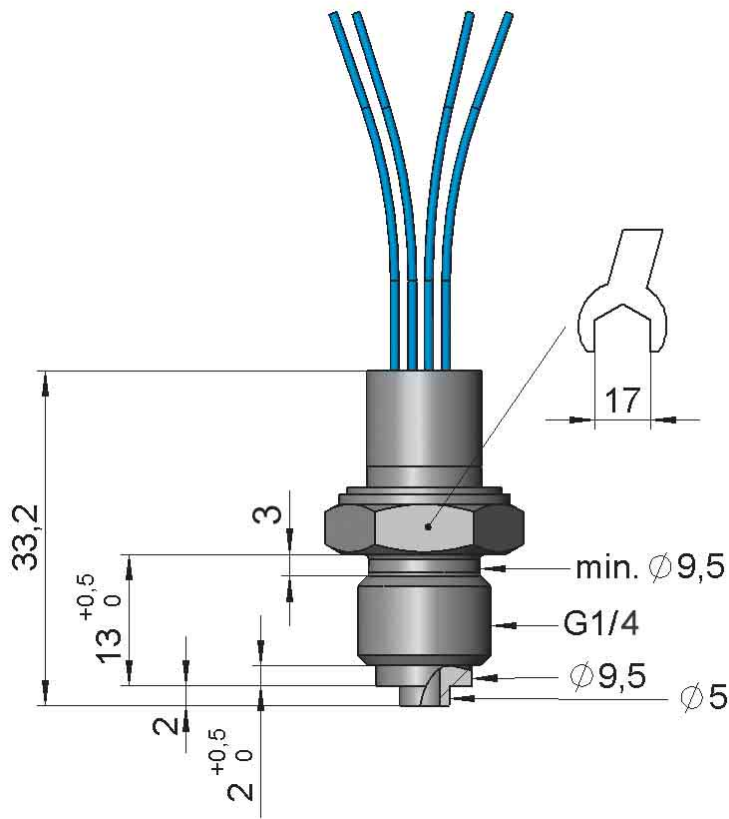


Technical specifications

		CB/TB	CE/TE	CG/TG	CL/TL	CQ/TQ
Measuring range*	bar	20	60	160	400	800
Overload	bar	40	100	250	600	1000
Burst pressure	bar	60	150	400	800	1200
Linearity	% FS (typ.)	< 0.2 (0.5 for 25 bar)				
Hysteresis	% FS (typ.)	< 0.1				
TC Zero offset	% FS/K	< 0.02 (typ.)				
TC Span	% FS/K	< 0.01 (typ.)				
Long term stability	% FS p. a.	< 0.2 (under reference conditions)				
Min. lifetime		> 10 ⁸ cycles				
Operating temperature	°C	-40 ... +90 (C-Types) -40 ... +125 (T-Types) -40 ... +200 (XT-Types)				
Zero offset (10 V Supply Voltage)	mV	0 ± 4 (C-Types) 0 ± 12 (T/XT-Types)				
Span (10 V Supply Voltage)	mV	20 ± 20% (C-Types) 55 ± 20% (T-XT-Types)				
Bridge resistance	kΩ	4.0 ... 6.5 (C-Types) 3.0 ... 6.0 (T/XT-Types)				
Insulation	VDC	200				
Supply voltage, max.	VDC	15				
Material		1.4548 Diaphragm 1.4571 or 1.4542 Adapter				

* more pressure ranges on request

OEM-Pressure Sensor – for gauge pressure



Connections		
Voltage supply	+	red
Voltage supply	-	black
Output signal	+	yellow
Output signal	-	blue

Scale Drawing C- and T-Types



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