

Pioneering new technologies  
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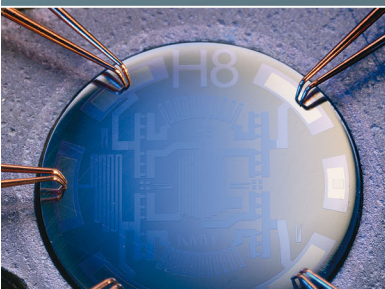
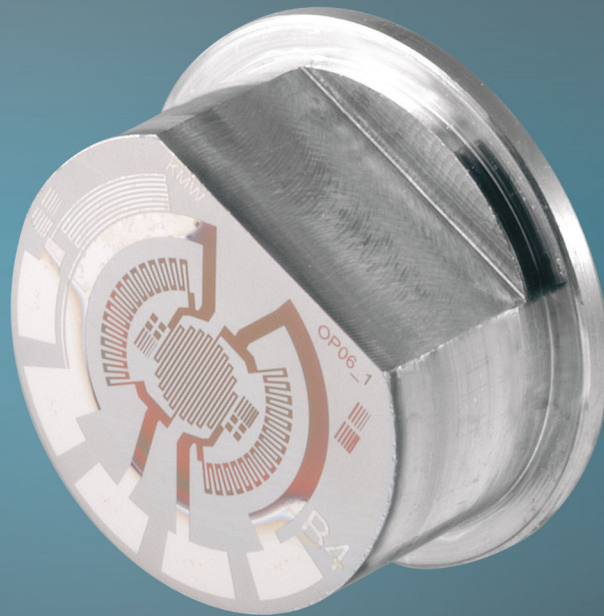


Sensor-Technik Wiedemann GmbH  
Mobile Controllers and Measurement Technologies

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

# OPTI Measuring element

OPTI Measuring element



### Characteristics

The stainless steel sensor could be welded onto stainless steel adaptors. The electrical contact occurs by bonding. The sensor can be also delivered welded on adaptor. The temperature range is between -40 to 200 °C (-40 ... 392 °F).

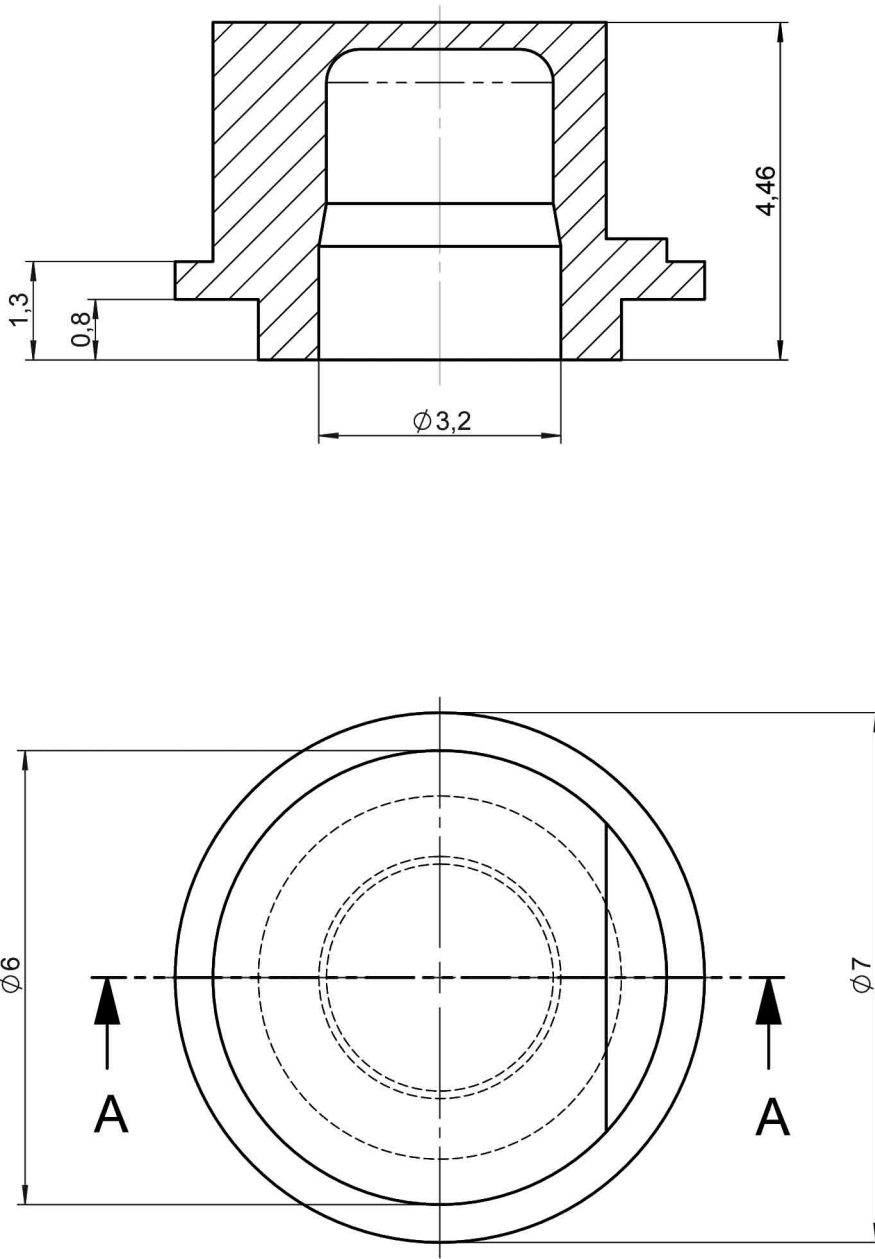
### Applications

- Hydraulic systems
- Control systems



### Technical specifications

		OD	OF	OI	OL	OQ
Measuring range*	bar	50	100	250	400	800
Overload	bar	100	200	500	800	1600
Burst pressure	bar	150	300	750	1200	2400
Linearity	% FS	± 0.5				
Hysteresis	% FS	0.2				
TC Zero offset	% FS/K	± 0.15				
TC Span	% FS/K	± 0.05				
Long term stability	% FS p. a.	< 0.2 (under reference conditions)				
Min. lifetime		> 10 <sup>8</sup> cycles				
Operating temperature	°C	-40 ... +200				
Zero offset	mV/V	± 15				
Span	mV/V	3 ... 6.5				
Bridge resistance	kΩ	3 ... 9				
Insulation	VDC	500				
Supply voltage, max.	VDC	10				
Material		1.4548				



Scale Drawing



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