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Type H - Pressure Sensors

Material: Hastelloy C22 (2.4602)

Features

- Made of Hastelloy C22 (wetted material)
- Excellent for applications like
 - Offshore
 - Chemical plants
 - and everywhere, where acid environment gives problems
- Dynamic and static measurement
- Outstanding technical data
- Excellent long term stability
- RoHS- compliant



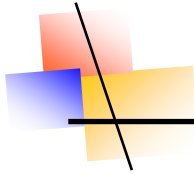
Technical Data:

Feature	Unit	Specification		Remark
Type		H8	H10	
Wetted Material		Hastelloy C22	Hastelloy C22	
Diameter	mm	8	10	
Range FS (P _{Nom})	bar	25, 60, 160, 250, 400, 600	2, 4, 6, 10, 16, 1000, 1600, 2000	
Over Pressure		2 x P _{Nom}	2 x P _{Nom} (> 1000 bar 1,5 x)	Minimum
Burst Pressure		> 5 x P _{Nom}	> 5 x P _{Nom} (> 1000 bar 2 x)	Minimum
Height	mm	4	ca. 6 *	Depends on pressure range
Bridge Resistance	kOhm	5 -20%/ +40%	5 -20%/ +40%	
TC-R	ppm/K	< ± 25	< ± 25	
Zero	mV/V	< ± 0,2	< ± 0,2	
TC Zero	%FS/K	< ± 0,04	< ± 0,04	
Isolating Resistance (100VDC)	Ohm	>10 ⁹	>10 ⁹	
Span	mV/V	1,8 -0,4/ +0,7	1,8 -0,4/ +0,7	
TC Span	%FS/K	+0,01 ... +0,02	+0,01 ... +0,02	
Non Linearity 4 ... 25 bar 40 ... 100 bar 250 ... 2000 bar	%FS	0 ± 1,0 0 ± 0,7	0 ± 0,5 0 ± 1,0 0 ± 0,7	
Hysteresis	%FS	< 0,2	< 0,2	
Repeatability	%FS	< ± 0,05	< ± 0,05	
Long Term Stability 72h 125°C 1000h 125°C	%FS	< ± 0,2 < ± 0,3	< ± 0,2 < ± 0,3	
Operating Temperature	°C	-40 ... +125	-40 ... +125	
Isolating Voltage	VAC	500	500	Other on request
Max. Speisespannung	VDC	10	10	
Zero shift after 10 Mio. Load cycles	%FS	±0,3	±0,3	Maximum
Electrical Connection		Flex Jumper (Nomex)	Flex Jumper (Nomex)	Other on request



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Status: 2019/07



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		Or solder pad or bondable surface for Al wire bonding	Or solder pad or bondable surface for Al wire bonding	
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Options for standard units:

- Additional TC - span compensation
- RTC – Temperature sensor 1000 Ohm
- Pressure port according to clients requirements

Customizes Versions (e.g.):

- Bridge resistance from 3500 Ohm to 15 KOhm
- Schematic with open Bridge
- Your requirements

Customized versions do have NRE like mask cost and development cost. These units are not on stock, they will have a lead time. Technical details have to be checked carefully for feasibility.

Pressure Ports:

- Standard: G1/4 or G1/2
- Customized ports will be manufactured according to the requirements

For more options and more technical data please request.

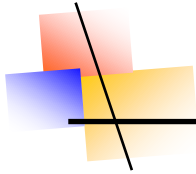
Ordering information:

Type:	Pressure Range	Electrical Connection	Option
H8			
H10			
	XXXX		
		J1 = Nomex	
		J2 = Solder Pad	
		J3 = Wirebonding	
			R1 = TCS Komp.
			R2 = PTC

XXXX = FS Druck in bar gem. Datentabelle

Bsp.: **PSP8-SH0400J1R2** = 8mm Drucksensor, 400 bar FS, Nomex Flex Jumper mit PTC1000





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Dimensions:

