

ICS-NH

INDUSTRIAL CONSULTING & SALES

Type W - Pressure Sensors

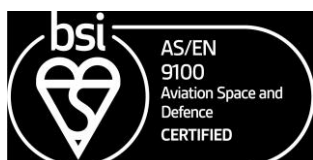
The outstanding W-Type pressure sensors have been developed and approved due to many requests for hydrogen applications and other use where a 316L material is requested. The used 316L material has the DIN number 1.4435.

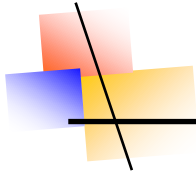
The sensor elements are available in our 8mm and 10 mm shapes. We are able to cover the pressure ranges listed below.



Main Features

- **High resistance against aggressive media**
- **Wide pressure ranges available**
- **Excellent technical data**
- **Designed for applications:**
 - **Oil & Gas production**
 - **Chemical plants**
 - **Seawater**
 - **Hydrogen**
 - **Others**
- **Excellent overpressure and burst pressure behavior (2*FS for overpressure and 5*FS for burst pressure)**





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Technical Data:

Feature	Unit	Data	
		W8	W10
Type		W8	W10
Diameter	mm	8	10
Pressure ranges	bar	25 / 60 / 100 / 160 / 250 / 400 / 600 / 1000	6 / 10 / 16
Bridge Resistance	kOhm	5 +20%-40%	
TCR (resistors)	ppm/K	0 ±25	
Span	mV/V	1.45 ... 0.95	
Zero	mV/V	<±0.2	
Non Linearity	%FS	6 ... 16 bar: <±1 25 ... 100bar: <±1 160 ... 1000bar: <±0.5	
Hysteresis	%FS	<0.4	
Repeatability	%FS	<±0.05	
TC Span	%FS/K	±0.01 ... ±0.03	
TC Zero	%FS/K	<±0.04	
Zero shift after 72h 85°C		<±0.2	
100h/85°C	%FS	<±0.25	
100h/85°C, 85%r.h., 5VDC		<±0.25	
Zero shift after 10Mio. Loadcycles	%FS	< +- 0,3	
Operating Temperature	°C	-40 ... +85	
Storage Temperature	°C	-55 ... +125	

For more information, please contact us.



ICS-NH • Norbert Heinrich • Wolfener Str. 32-34 • 12681 Berlin
 Phone: +49 30 80408666 • Fax: +49 30 80408668 • Cell: +49 1727403718 • E-Mail: info@ics-nh.de
 Bankverbindung: IBAN: DE65100900007025795002 • BIC: BEVODE33
 St.-Nummer 31/337/00253 Finanzamt Berlin (Friedrichshain – Kreuzberg) • USt-Nr.: DE258546892

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