

HNP60 HIGH-PURITY PRESSURE SENSOR

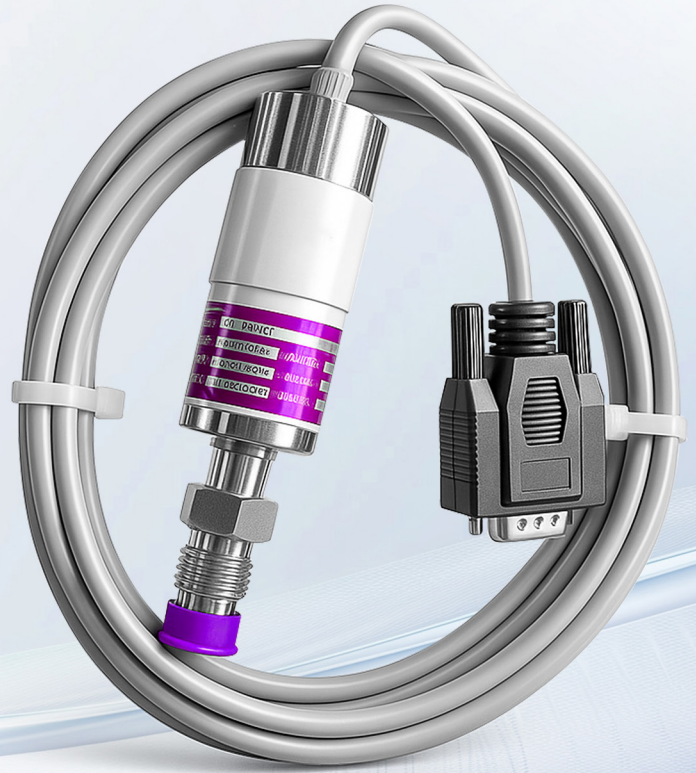
PRODUCT ADVANTAGE

Sensor source manufacturer, independent research and development, independent and controllable. Suitable for semiconductor manufacturing, flat panel display and photovoltaic industries, ultra-high purity liquid storage and delivery systems and other related fields.

High accuracy pressure measurement value 0.25% F.S., signal noise cancellation and shielding.

All stainless steel construction, high stability and reliability, each product has been tested for 48 hours full scale holding pressure.

Adjustable zero point and full scale range to improve the convenience of customer site use.

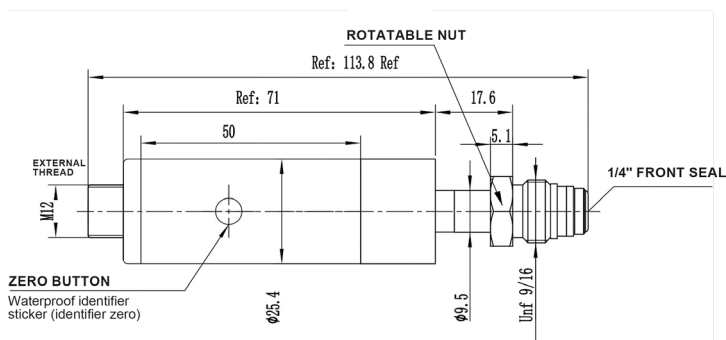
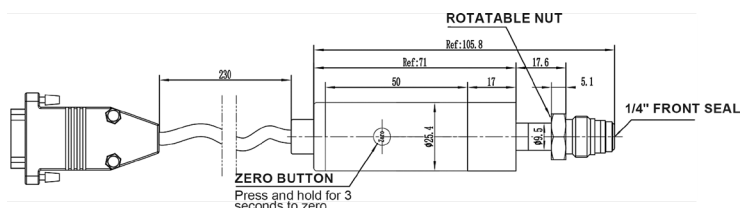
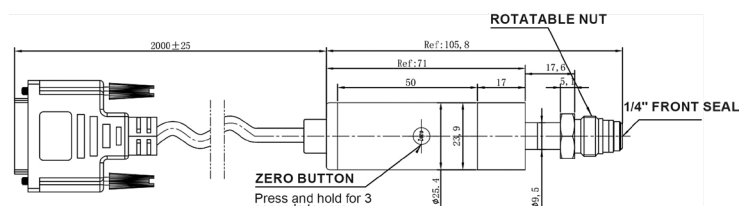


FUNCTIONAL PARAMETERS

NAME	SPECIFICATION
Measurement Range	0~200psi (G) 、0~250psi (G) 、0~500psi (G) 、0~3000psi (G) 0~200psi (A) 0~250psi (A) 、0~500psi (A) 、0~3000psi (A)
Maximum Overpressure	2x rated pressure (5000psi max)
Connector Material	316L
Housing Aterial	304/316L
Roughness	Ra ≤ 0.15 μ m (typical); Ra ≤ 0.18 μ m (maximum)
Accuracy	≤0.25% FS (including non-linearity, hysteresis, repeatability)
Zero Deviation	<0.25% @25°C
Long-term Stability	<0.25% FS/year

Temperature Drift Coefficient	<0,3% FS/10°C (-10~+55°C)
Helium Leak Detection Test	<10 ⁻¹⁰ mbar L/S
Ambient Temperature	-20~85°C
Medium Temperature	-20~85°C
Storage temperature	-20~85°C
Protection class	IP65
Ambient humidity	<95% RH, non-condensing
CE Marking	In line with
Explosion-Proof Marking	Ex ec IIC T6 Gc

PRODUCT SIZE(MM)



WIRING DIAGRAM

Current output type Wiring instructions	M12 aviation plug/with cable 	Voltage output type Wiring instructions	M12 aviation plug/with cable 
Power supply positive V+	1#/Brown Wire	Power supply (V+)	1#/Brown Wire
Output signal positive OUT+	2#/White Wire	Power supply (V-)	2#/White Wire
Ground GND	4#/Black Wire	Output signal (OUT+)	3#/Blue Wire
Floating	3#/ 	Ground (GND)	4#/Black Wire

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SELECTION CHART

NAME	CODE	CODE DESCRIPTION
Output Signal	1	Transistor PNP Switch
	2	Transistor NPN Switch
	3	Relay Switch
	4	4-20mA
	5	0-10V(24V)
	A	0.05-5.05 (24V)
	X	Other customizable
Process Connection	1	1/4VCR
	2	1/4lok
	3	1/4 welded pipe
	0	Customised fittings
Electrical Connections	1	4 pole threaded M12X1 aviation socket (without slot)
	2	4 pole threaded M12X1 aviation socket (slotted)
	3	Metal tail connector + cable outlet (unthreaded)
	4	Industrial type connector
	0	Customised electrical connections
Accuracy	1	1%FS
	A	0.5%FS
	B	0.25%FS
	C	0.1%FS
	D	0.05%FS
Measurement Mange	1	0~50KPa (G)
	2	0~100KPa(G,A)
	3	0~500KPa(G,A)
	4	0~200psi(G)
	5	0~250psi(G)
	6	0~500psi(G)
	7	0~3000psi(G)
	8	0~200psi(A)
	A	0~250psi(A)
	B	0~500psi(A)
	C	0~3000psi(A)
	X	Customizable