

## Specific&performance

- All wetted parts are electro-polished accord to SEMI F19, Ra≤0.13µm
- 100% Helium leak tested and packed in class 100 clean room
- Accuracy up to 0.1%BFSL(include linearity, hysteresis and repeatability)
- Various type of VCR connection available: male, female, fixed and swivel

## Applications

- OEM customer
- Semiconductor
- Solar PV
- Specialty Gas



## Specifications

### Performance specifications

Accuracy	0.15%BFSL @25°C (include linearity, hysteresis and repeatability)
Pressure range	0...30psi - 0...5000psi (include vacuum)
Over pressure	2 times of full scale
Burst pressure	5 times of full scale
Long term stability	max 0.25%FS/year
Thermal drift	max 0.25%FS/10°C (-20...+85°C)
Leakage test	<1*10 <sup>-9</sup> mbar L/S
Response time	<1.5mS

### Electrical specifications

Output signal	4-20mA 2-wire
Power supply	10-30VDC
Load resistance	≤(Us-10V)/0.02A Ω
Insulation resistance	>100MΩ @ 250VDC

### Environmental specifications

Ambient temperature	-20 ... 85 °C
Media temperature	-20 ... 140°C
Storage temperature	-30 ... 85 °C
Ingress protection	IP67 EN60529
Ambient humidity	< 95 % RH, non-condensation

### Material specifications

Sensor material	17-4PH
Wetted parts	316LSS
Housing material	304SS
Electrical connection	M12*1 (4 pins)
Process connection	9/16"-18UNF (1/4"VCR) female, male, fixed, swivel
Surface finish	Ra≤0.13µm (typical) Ra≤0.18µm (max)

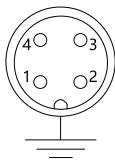
### Electrical protection

Short circuit protection	Yes
Reversed polarity protection	Yes
Explosion proof	Ex na IIC T4/T5/T6 Gc
EMC/EMI	EN61326-1:2013, EN61326-2-3:2013

## Pressure range ordering code

Range	0...2bar	0...4bar	0...7bar	0...11bar	0...17bar	0...25bar
Code	B0020	B0040	B0070	B0110	B0170	B0250
Range	0...36bar	0...70bar	0...100bar	0...145bar	0...225bar	0...360bar
Code	B0360	B0700	B1000	B1450	B2250	B3600
Range	-1...2bar	-1...4bar	-1...7bar	-1...11bar	-1...17bar	-1...25bar
Code	B0021	B0041	B0071	B0111	B0171	B0251
Range	-1...36bar	-1...70bar	-1...100bar	-1...145bar	-1...225bar	-1...360bar
Code	B0361	B0701	B1001	B1451	B2251	B3601
Range	0...30psi	0...60psi	0...100psi	0...160psi	0...250psi	0...350psi
Code	P0030	P0060	P0100	P0160	P0250	P0350
Range	0...500psi	0...1000psi	0...1500psi	0...2000psi	0...3000psi	0...5000psi
Code	P0500	P1000	P1500	P2000	P3000	P5000
Range	-30"HG...30psi	-30"HG...60psi	-30"HG...100psi	-30"HG...160psi	-30"HG...250psi	-30"HG...350psi
Code	P0031	P0061	P0101	P0161	P0251	P0351
Range	-30"HG...500psi	-30"HG...1000psi	-30"HG...1500psi	-30"HG...2000psi	-30"HG...3000psi	-30"HG...5000psi
Code	P0501	P1501	P2001	P2001	P3001	P5001

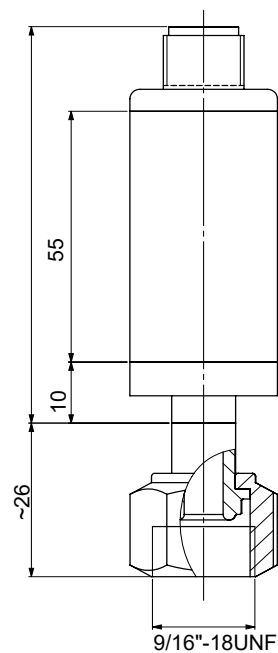
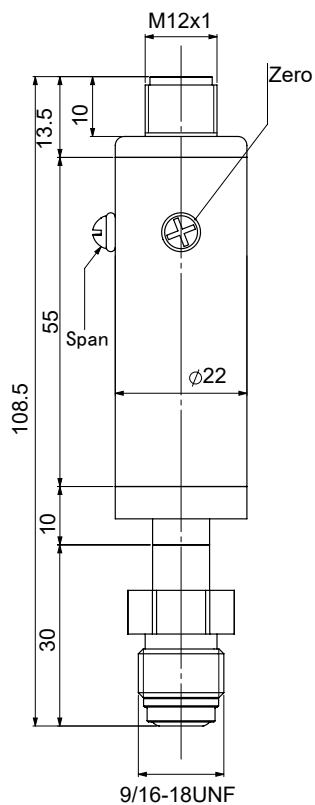
## Wire connection



M12\*1

Terminal	4-20mA 2-wire
1	Power (+)
2	Power (-)
3	
4	

## Dimensions in mm



### LUP ordering code

	Code	Specifications
1.	<input type="text"/>	LUP Series
		Output signal
2.	<input type="text"/>	1 4-20mA 2-wire
		Electrical connection
3.	<input type="text"/>	1 M12*1 (4 pins)
		Connection type
4.	<input type="text"/>	1 Swivel thread
		2 Fixed thread
		Thread type
5.	<input type="text"/>	M Male
		F Female
		Pressure range
6.	<input type="text"/>	XXXXX Please refer the range code table in page 2
		Z Customized
		Explosion proof
7.	<input type="text"/>	S None
		X Ex nA IIC T4/T5/T6