PFSD UHP PFA Pressure Sensor

Application Scenarios



Semiconductor
Photovoltaic

Wet Process
Equipment

Corrosive Medium

Chemical
Blending System

Product Features

Reliable	Range	Acid/Alkali Resistant	Connection
High–purity PFA/PTFE Construction	0–1 MPa	Ceramic Core Sapphire Core	High–purity PFA Wetted Parts

Product Description

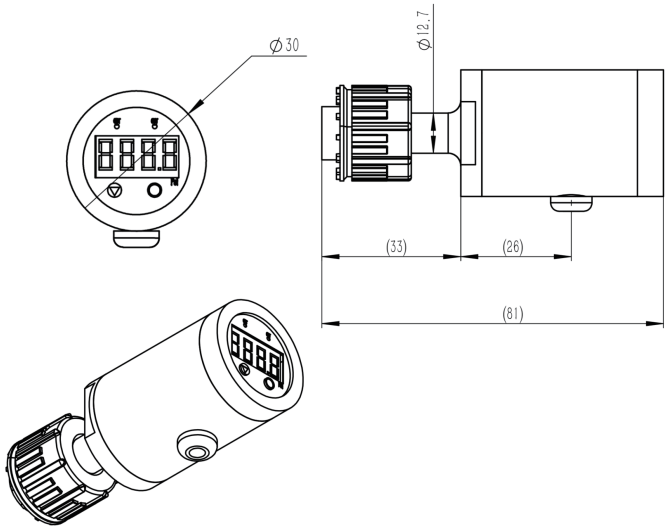
- High–purity PFA/PTFE construction with bead or flared connections, suitable for semiconductor, photovoltaic, display, and corrosive chemical or special liquid applications.
- Pressure range up to 1 MPa with customizable spans.
- 100% tested and temperature compensated for stable and reliable performance.
- Standard ceramic sensor is compatible with acids, alkalis, and ultrapure water. For HF and HCl, an optional sapphire sensor provides enhanced corrosion resistance and longer service life.

PFSD

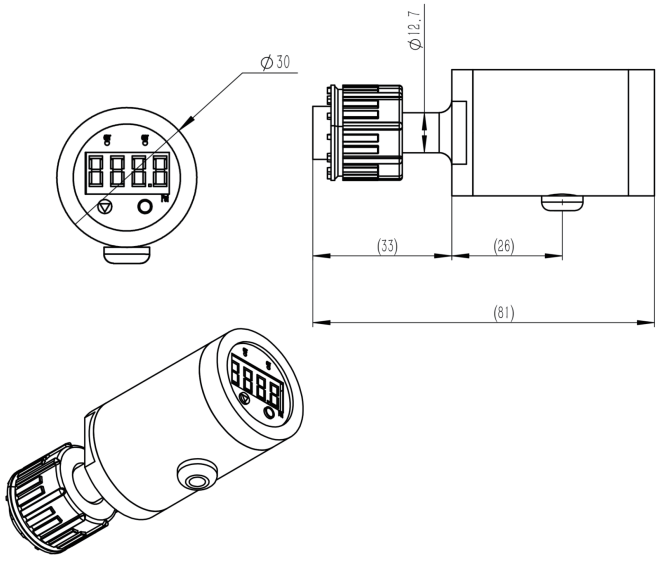
Technical Specifications

Application	Gauge
Measurement Range	0...1MPa
Accuracy（@25℃）	±1%FS
Temp Coefficient	±0.05%FS/℃
Sensor Material	Ceramic / Sapphire
Overpressure	1.5× full scale
Medium Temp.	10...80° C
Ambient Temp.	10...50° C
Compensation Range	10...50° C
Supply Voltage	DC24V（10...30 V DC）
Output Singal	4...20mA
Connection Material	PFA/PTFE
Diaphragm Material	PFA
Stability Performance	Typical： ±1%FS/Year
Process Connection	Pillar
Procetion Level	IP65

Specifications and Dimensions (Unit: mm)

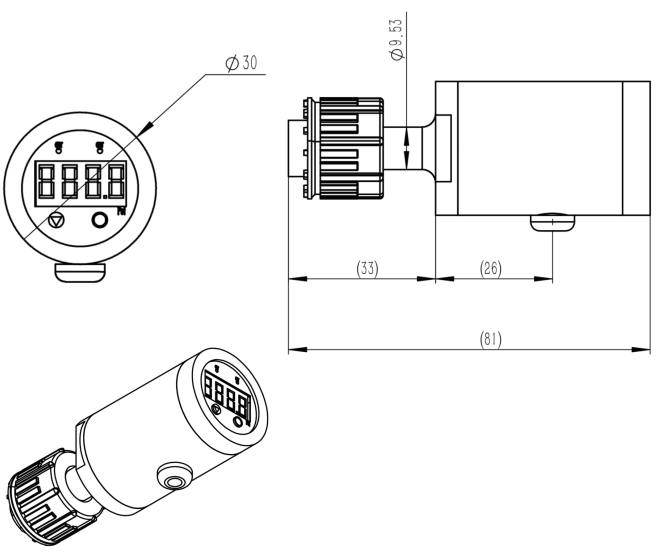


1/2" Flared

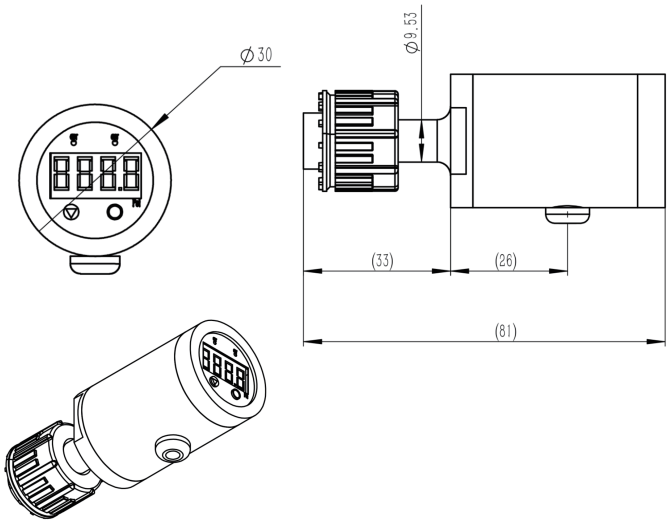


1/2" Pillar

Dimensions are for reference only. Actual product dimensions may vary.



3/8" Flared



3/8" Pillar

Range	Output	Connection	Connection Size	Optional
See Range Code Table	420N 4–20mA+NPN	P Pillar	2 3/8"	SS HF/ HCl
	420P 4–20mA+PNP	F Flared	3 1/2"	
10	20	30	40	50

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Range Code Table					
Code	Range	Code	Range	Code	Range
G200K	(0~200)KPa	G02M	(0~0.2) MPa	PUG	(0-30)psi
G300K	(0~300)KPa	G03M	(0~0.3) MPa	PTG	(0-60)psi
G500K	(0~500)KPa	G05M	(0~0.5) MPa	PSG	(0-100)psi
G700K	(0~700)KPa	G07M	(0~0.7) MPa	PRG	(0-160)psi
G1000K	(0~1000)KPa	G1M	(0~1) MPa		

Selection Example

Requirement: 4–20mA Output, 0–100psi, 1/2"

Selected Model: PFSD–PSG420P3