PG7 Pressure

PG7 Pressure Gauge is with a small profile, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing in a 1/4-18NPT threaded fittings.

The package utilizes silicon oil to transfer pressure from 316L stainless steel diaphragm to the sensing element. A ceramic substrate is attached to the package that contains laser-trimmed resistors for temperature compensation and offset correction.

The digital sensor is connected directly by RS485 communication interface, providing simple, reliable, cost-saving process data with remote monitoring, calibration, configuration and diagnostics capabilities. Housing in a robust IP68 proof enclosure, 1000N tensile strength cable, up to 1.2km digital data transmission, the sensor is ideally used in water/wastewater industry.
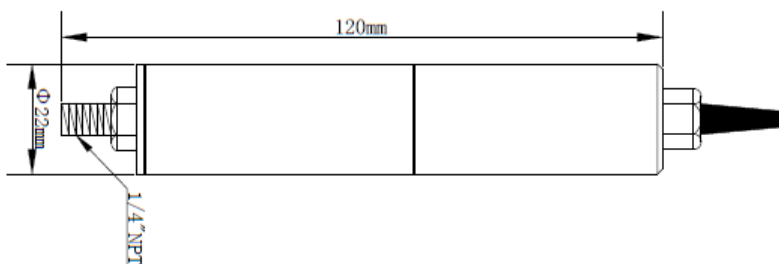

Features & Benefits

- Robust IP68 water submersible enclosure, solution without cabinet
- 1s online real-time measurement
- Ultra low power consumption, ideal for outdoor applications
- High reliability, drift free
- 4000VDC surge protection
- 1.2km RS485 digital communication
- Software configuration calibration and data monitoring
- **Standard Modbus RTU Protocol, direct connected with GDC controller or PLC**

Pressure	
Range	Relative Pressure: 0 ~ 6MPa Max.
	0 ~ 0.16kPa Min.
	Absolute Pressure: 0 ~ 6MPa Max.
	0 ~ 20kPa Min.
	Differential Pressure:0.16kPa~6Mpa
Accuracy	±0.25%FS
Repeatability	±0.025%FS
Stability	0.1%FS/Year
Respond Time	1s
Overload	3 times of range
Burst	4 times of range
Temperature Sensor	Pt100
Operate Temp.	-40°C ~85°C, instantaneous 130°C
Temperature Accuracy	±1%°C
Storage Temp.	-40°C~85°C
Humidity	0~100%RH
Process connection	1/4"-18NPT
Waterproof	IP68

Ordering Information

PG7 Pressure Sensor		
-I	Integral with display	
-R	Remote	
	G	Relative Pressure
	A	Absolute Pressure
	D	Diff. Pressure(only Integral)
		Pressure
		Min 0~0.16Kpa
		Max 0~6Mpa
		Diff. Pressure
		0.16Kpa~6Mpa
		-10 10' Cable
		-30 30' Cable
		-50 50' Cable
		*Only Remote
		Please contact factory for more
PG7	**-R** **G**	**200kpa**

Dimension