

Surpass model HPSD Pressure sensor

FEATURES

- Wetted parts are anti-corrosive fluorine resin materials
- This is a gas-permeable proof product.
- The pressure reading can be checked directly on site using the integrated display.
- Pressure switch function is also available.
- Zero adjustment can be performed by pressing the UP and DOWN buttons simultaneously.

Caution:

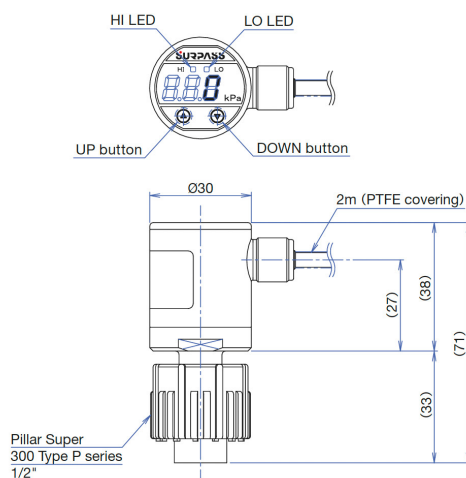
- Do not rotate the red sensor case. It may cause malfunction



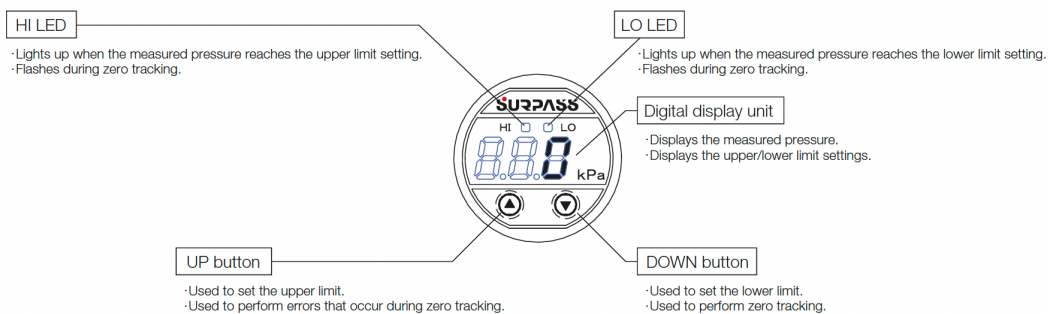
Type		HPSD-1/2-P300P-3	HPSD-1/2-P300P	HPSD-1/2-P300P-7
Pressure type		Gauge pressure		
Rated Pressure		0-300kPa	0-500kPa	0-700kPa
Withstanding pressure		450kPa	750kPa	800kPa
Fitting		Pillar Super 300 Type P series		
Connection type		Tube fitting nut space-saver type		
Connection size		1/2"(Ø12.7×Ø9.53)		
Wetted parts		PTFE, PFA		
Fluids		Gas, Liquid (DI water and Chemical)		
Fluid temperature		15-80°C		
Ambient temperature		15-50°C		
Linearity		±1% F.S. (at 25°C)		
Hysteresis		±1% F.S. (at 25°C)		
Temperature drift		±0.05% F.S./°C		
Analog output		DC 4-20mA		
Power supply		DC 12-24V ±10%		
Current consumption		12V Max. 100mA / 24V Max. 70mA		
Degree of protection		In accordance with IP65		
Cable specifications	Length	2m (PTFE jacket covering)		
	Thickness	AWG28		
	Cores	6		
	Core outer diameter	Ø0.83		
	Outer diameter	PTFE covering Ø4.8, PVC covering Ø3.3		
	Covering material	PTFE, PVC		
	Standard	UL style 2725		
Pressure switch specification	Accuracy	±1% F.S.		
	Setting points	Two arbitrary points (upper and lower limits)		
	Hysteresis	2% F.S.		
	Output	NPN Open collector Max.30V/80mA		
Display specification	Display range	Low limit: -2% F.S. of rated pressure -Upper limit: +5% F.S. of rated pressure		
	Accuracy	±1% F.S. ±1digit		
	Alarm lamp	Alarm lamp LED is on when exceeding upper and lower limit		

DIMENSIONS

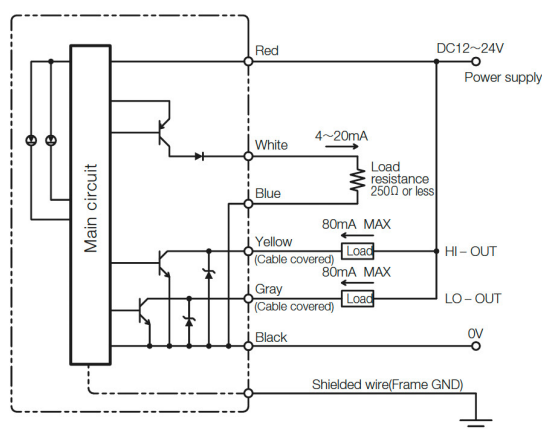
● HPSD-1/2-P300P-□



Display



Wiring



Usage Note: Zero adjustment must be processed under zero pressure.