Surpass model HPID Pressure sensor

FEATURES

- Wetted parts are anti-corrosive fluorine resin materials
- This is a gas-permeable proof product.
- This is an inline pressure sensor.
- The pressure reading can be checked directly on the built-in display.
- A pressure switch function is also available.
- Zero adjustment works by pushing the UP and DOWN button together.

Caution:

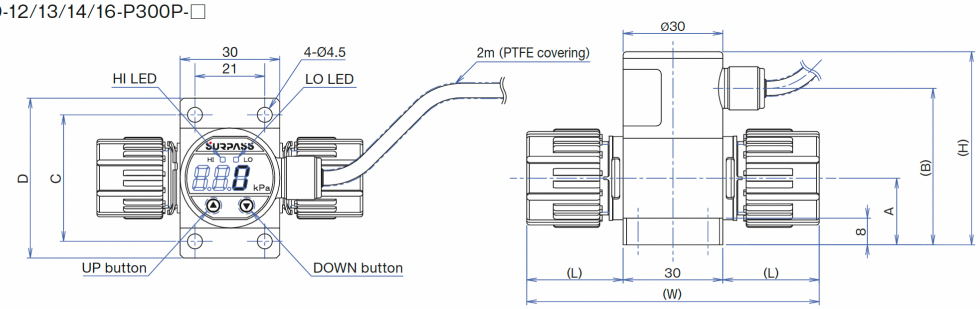
- Do not rotate the red sensor case. It may cause malfuntion



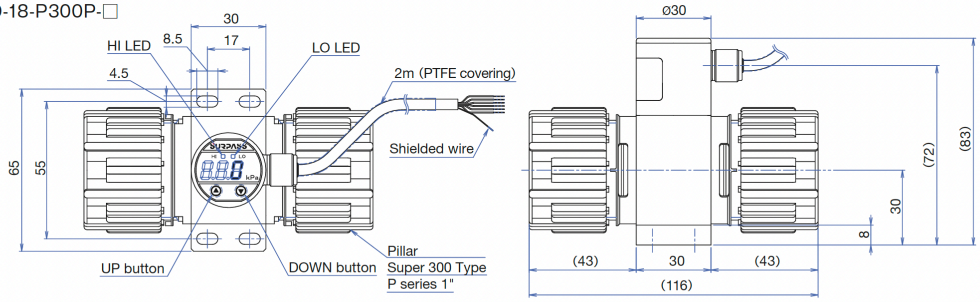
Type		HPID-12-P300P-3 HPID-13-P300P-3 HPID-14-P300P-3 HPID-16-P300P-3 HPID-18-P300P-3	HPID-12-P300P HPID-13-P300P HPID-14-P300P HPID-16-P300P HPID-18-P300P	HPID-12-P300P-7 HPID-13-P300P-7 HPID-14-P300P-7 HPID-16-P300P-7 HPID-18-P300P-7
Pressure type		Gauge pressure		
Rated Pressure		0~300kPa	0~500kPa	0~700kPa
Withstanding pressure		450kPa	750kPa	800kPa
Fitting		Pillar Super 300 Type P series		
Connection size		12:1/4"(Ø6.35×Ø3.95), 13:3/8"(Ø9.53×Ø6.35), 14:1/2"(Ø12.7×Ø9.53), 16:3/4"(Ø19.05×Ø15.9), 18:1"(Ø25.4×Ø22.2)		
Wetted parts		PTFE		
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

●HPID-12/13/14/16-P300P-□

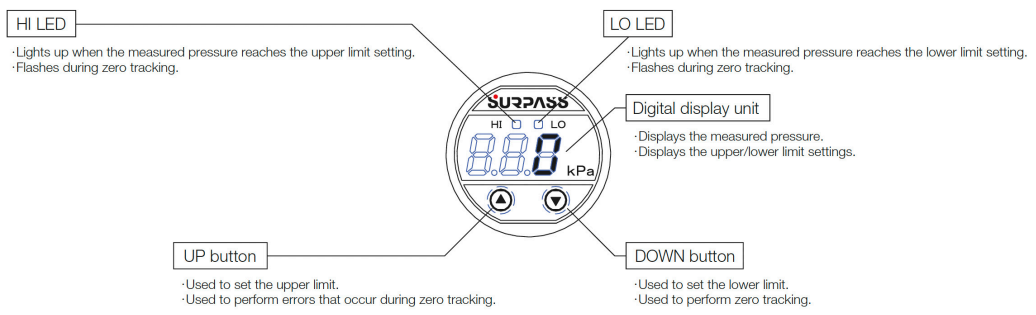


●HPID-18-P300P-□

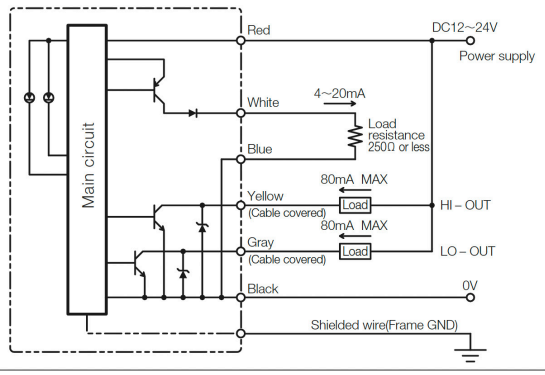


Model	(L)	(W)	(H)	A	(B)	C	D
HPID-12-P300P-□	19	68	49.5	16	38.5	38	48
HPID-13-P300P-□	25	80	56.5	20	45.5	38	48
HPID-14-P300P-□	29	88	58	20	47	38	48
HPID-16-P300P-□	36	102	73	24	62	42	50
HPID-18-P300P-□	Please confirm above drawing						

Display



Wiring



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