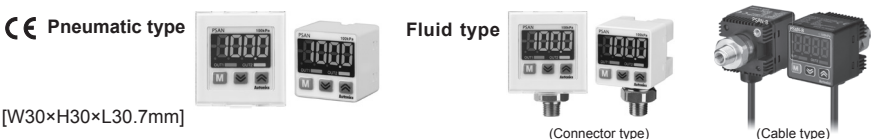


Product Overview

■ Pressure Sensor [PSAN Series]

Pressure type		Gauge pressure	Negative pressure	Standard pressure	Compound pressure
Model ※1	Voltage (1-5VDC) output	PSAN- (L)V01C (P)V-□	PSAN- (L)01C (P)V-□	PSAN- (L)1C (P)V-□	PSAN- (L)C01C (P)V-□
	Current (DC4-20mA) output	PSAN- (L)V01C (P)A-□	PSAN- (L)01C (P)A-□	PSAN- (L)1C (P)A-□	PSAN- (L)C01C (P)A-□
	Hold/Auto shift input	PSAN- (L)V01C (P)H-□	PSAN- (L)01C (P)H-□	PSAN- (L)1C (P)H-□	PSAN- (L)C01C (P)H-□
Appearances & Dimensions					
Rated pressure range		0.0 to -101.3kPa	0.0 to 100.0kPa	0 to 1,000kPa	-101.3kPa to 100.0kPa
Display pressure range		5.0 to -101.3kPa	-5.0 to 110.0kPa	-50 to 1,100kPa	-101.3kPa to 110.0kPa
Min. display unit		0.1kPa	0.1kPa	1kPa	0.1kPa
Max. pressure range		2 times of rated pressure	2 times of rated pressure	1.5 times of rated pressure	2 times of rated pressure
Applied vapor		Pneumatic type - Air, Non-corrosive gas			
Applied fluid		Fluid type - Air, Non-corrosive gas and fluid that do not corrode SUS316L			
Power supply		12V-24VDC ±10% (ripple P-P: Max. 10%)			
Current consumption		Max. 50mA (Analog Current Output type Max 75mA)			
Control output		NPN or PNP open collector output • Load voltage: Max. 30VDC • Load current: Max. 100mA • Residual voltage - NPN: Max. 1V, PNP: Max. 2V			
Hysteresis ※2		Min. display range			
Repeat error		±0.2%F.S. ± Min. display range			
Response time		Selectable 2.5ms, 5ms, 100ms, 500ms, 1000ms			
Short circuit protection		Built-in			
Analog output ※3	Voltage output	• Output voltage: 1-5VDC ±2% F.S. • Linear: Within ±1% F.S. • Output impedance: 1kΩ • Zero point: Max. 1VDC ±2% F.S. • Span: Max. 4VDC ±2% F.S. • Response time: 50ms • Resolution: Automatically changed to 1/1000 or 1/2000 by display unit			
	Current output	• Output current: DC4-20mA ±2% • Linear: Max. ±1% F.S. • Zero-point: Max. DC4mA ±2% F.S. • Response time: 70ms • Span: Max. DC16mA ±2% F.S. • Resolution: Automatically changed to 1/1000 or 1/2000 by display unit			
Display digit		4½ digit			
Display method		7segment LED Display			
Reference		E-03 to 15			


※1: For ' (L)', ' (P)', ' □ ' of model name, please refer to '■ Ordering information'.

※2: In hysteresis output mode, detection difference is variable.

※3: It is allowed to select one analog output type only.

※F.S.: Rated pressure.

■ Pressure Sensor [PSA/PSB Series]

Pressure type		Gauge pressure	Negative pressure	Standard pressure	Compound pressure
Model ※1	NPN open collector output	PSA-V01-□ PSB-V01-□ PSB-V01C-□	PSA-01-□ PSB-01-□ PSB-01C-□	PSA-1-□ PSB-1-□ PSB-1C-□	PSA-C01-□ PSB-C01-□ PSB-C01C-□
	PNP open collector output	PSA-V01P-□ PSB-V01P-□ PSB-V01CP-□	PSA-01P-□ PSB-01P-□ PSB-01CP-□	PSA-1P-□ PSB-1P-□ PSB-1CP-□	PSA-C01P-□ PSB-C01P-□ PSB-C01CP-□
Appearances & Dimensions					
Rated pressure range		0.0 to -101.3kPa	0.0 to 100.0kPa	0.0 to 1,000kPa	-100.0 to 100.0kPa
Display and set pressure range		5.0 to -101.3kPa	-5.0 to 110.0kPa	-50 to 1,100kPa	-101.2 to 110.0kPa
Max. pressure range		2 times of rated pressure		1.5 times of rated pressure	2 times of rated pressure
Applied fluid		Air, Non-corrosive gas			
Power supply		12-24VDC ±10% (Ripple P-P : Max. 10%)			
Current consumption		Max. 50mA			
Control output		NPN or PNP open collector output • Load voltage: Max. 30VDC • Load current: Max. 100mA • Residual voltage - NPN: Max. 1V, PNP: Max. 2V			
Hysteresis ※2		1digit fixed (2digits for psi unit)			2digit fixed
Repeat error		±0.2% F.S. ±1digit			±0.2% F.S. ±2digit
Response time		Selectable 2.5ms, 5ms, 100ms, 500ms			
Short circuit protection		Built-in			
Analog output		• Output voltage: 1-5VDC ±2% F.S. • Zero-point: Within 1VDC ±2% F.S. • Span: Within 4VDC ±2% F.S. • Linear: Within ±2% F.S. • Resolution: Approx. 1/200 • Output impedance: 1kΩ			
Display digit		3½ digit			
Display method		7Segment LED Display			
Reference		E-16 to 24			

※1: ' □ ' is pressure port type.

※2: In hysteresis output mode, detection difference is variable. ※F.S.: Rated pressure.