LED Digital Pressure Sensor

20 mm width LED Digital Pressure Sensor

automation

PISCO

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

■ Model Designation (Example)



(1) Series

VUS: Negative pressure sensor

(2) Display type 21: LED display

(3) Switch output

Code	No code	Р
Specifications	NPN open collector output	PNP open collector output

(4) Pressure sensor spec.

Code	W	Α
Specifications	With 2-point switch outputs	With an analog and a switch output

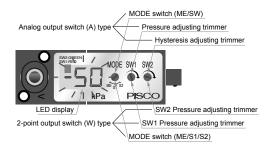
(5) Connecting port type and size

	Tube O.D.(mm)			Metric thread	Direct mount type
Code	4	6	8	M5	F
Port size	ø4	ø6	ø8	M5×0.8	_

Characteristics

- Set-up pressure and working pressure are indicated on LED display. To enhance visibility, an LED display is used for the vacuum switch.
- 2-point switch output type and 1-point switch output with 1 analog output type are available. Selectable depending on the application. Connector cable allows ease of layout.
- Output detection accuracy is enhanced by the use of semi conduction switch.

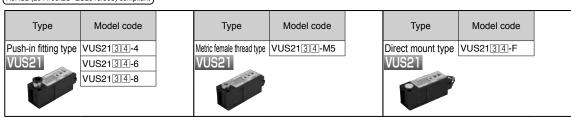
Digital display and part names



Specifications

Sp	ecifications	With 2-point switch outputs (W)	With an analog and a switch output (A)	
Fluid medium		Air, Inert gas		
Cu	rrent consumption	Max. 40 mA		
Pr	essure detection	Diffused metaloxide semiconductive pressure transducer		
Оре	erating pressure range	-100 to 0 kPa		
Pre	essure setting range	-99 to 0 kPa		
Pr	oof pressure	0.2 MPa		
Ор	erating temp. range	0 to 50°C(No freezing)		
Operating humidity range		35 to 85%RH (No dew condensation)		
Power requirements		12 to 24VDC ±10%Ripple (P-P) 10% max.		
Protective structure		IP40 equiv.		
No. of pressure setting		2	1	
Operating accuracy		± 3% F.S. max. (standard ref. temp. at 25 °C)		
Ну	steresis	Fixed (2% F.S. max.)	Variable (about 0 to15% F.S. max.)	
Switch output		NPN open collector output: 30 V 80 mA max. Residual voltage 0.8 V max.		
₹	Output voltage		1 to 5V	
Analog output	Zero-point voltage		1±0.1V	
ğ	Span voltage		4±0.1V	
utp.	Output current		1 mA max. (load resistance min.5 kΩ)	
<u></u>	LIN / HYS		± 0.5% F.S. max. (standard ref. temp. at 25°C)	
Re	esponse	Max. 1	msec.	
Inc	dication	-99 to 0 kPa (2-digit red LED display)		
Sa	mpling rate	About 4 times / sec.		
Inc	dication accuracy	± 3% F.S. ± 2 digits max.		
Resolution		1 digit		
Operation indicator		SW1: Red LED turns on when pressure is above setting	Red LED turns on when	
		SW2: Green LED turns on when pressure is above setting	pressure is above setting	
Function		1. MODE selector switch (ME or S1 or S2)	1. MODE selector switch (ME or SW)	
		2. S1 Setting trimmer (2/3-turn trimmer)	2. Setting trimmer (2/3-turn trimmer)	
		3. S2 Setting trimmer (2/3-turn trimmer)	3. HYS setting trimmer (about 0 to 15% of set value)	

RoHS2 (2011/65/EU+EU2015/863) compliant





* Select a switch output code for 3 in model code and select a pressure sensor spec. code for 4.

