Display for Compact Pressure Sensor 11 & 12 Series Analog Output Type

3-color dual display for Compact Pressure Sensor

⚠️**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)

SED–31 **N**
(1)　　(2)

(1) Display for Compact Pressure Sensor 11 & 12 Series Analog Output Type

(2) Output type

Code	N	P
Specifications	NPN 2 point switch outputs + Analog output	PNP 2 point switch outputs + Analog output

Model Designation of Display accessories (Example)

ACPG–31 – **B8**
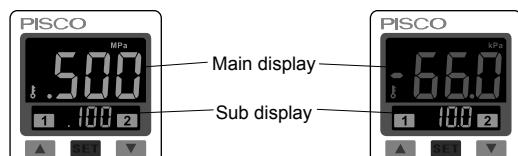(1)　　　(2)

(1) Display (SED-31) Accessories

(2) Accessory type

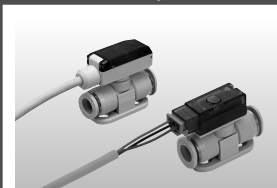| Code	Type	
B8	Bracket	Wall bracket (including M3×0.5 male screw (2pcs))
B9		Upright bracket (including M3×0.5 male screw (2pcs))
P1	Panel-mounting bracket	Panel-mounting bracket set
P2		Panel-mounting bracket set and Front protection cover
CN1	Connector for sensor head	

Characteristics

3-color LCD dual display is easy to read

The main display uses 2-colors, according to the output status.
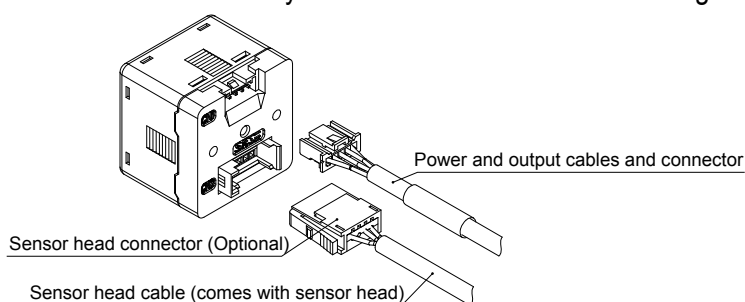Main display: Pressure indication (Red/Green), Sub display: Pressure setting value (Orange).
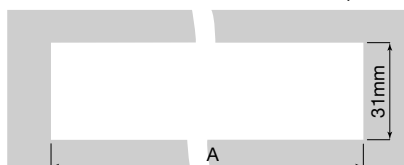

Main display
Sub display

Related product

Compact Pressure Sensor 11 ▶P.184
Compact Pressure Sensor 12 ▶P.186

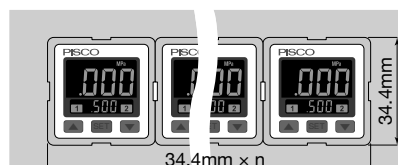### Connecterized cable allows for easy connection/disconnection of wiring to the display

Power and output cables and connector
Sensor head connector (Optional)
Sensor head cable (comes with sensor head)

Compact installation

■ Panel cut-out dimensions for when multiple units are installed
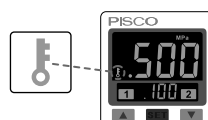

31mm

A

* Calculation: (A) = (34.4×n) - 3.4　　n: No. of pressure display

■ Dimensions after installation

34.4mm
34.4mm × n

Lock function is equipped.

Key icon is displayed when the lock function is active.

Specifications

Model code		SED-31N/SED-31P		
		Compound pressure	Negative pressure	Positive pressure
Sensor type selecting code (*1)		C-1	C-2	C-3
Rated pressure range (Sensor head)		-100 to 300kPa	-100.0 to 0.0kPa	0.000 to 1.000MPa
Power supply		12 to 24VDC Ripple max. ±10%		
Current consumption		40 mA or less (at no-loaded)		
Input voltage from sensor		1 to 5V		
Switch output	NPN open collector	NPN 2 points output: Max. load current: 125 mA, Max. supply voltage: 30 VDC, Internal voltage drop: 1.5V or less		
	PNP open collector	PNP 2 points output: Max. load current: 125 mA, Max. supply voltage: 24 VDC, Internal voltage drop: 1.5V or less		
Repeatability		±0.1%F.S. ±1digit or less		
Hysteresis	One point setting mode	Adjustable (*2)		
	Hysteresis mode			
	Window comparator mode			
Response time		2.5 ms max. (Malfunction protection function: Selection from 25 ms, 100 ms, 250 ms, 500 ms, 1000 ms, 1500 ms)		
Overload protection		Equipped		
Digital display		Main display: 2 colors (Red and Green)		
Pressure unit		-kPa/+MPa, +kgf/cm², +bar,+psi,-inHg, -mmHg		
Indication accuracy		±1%F.S. ±1digit or less (at Ta = 25 ± 3°C)		
Operation indicator		Orange 1 & 2 indicator		
Analog output		Output voltage: 1 to 5 V ± 2% F.S. or less (within rated pressure range),Linearity: ± 1% F.S. or less, Output impedance: 1 kΩ		
Environment proof	Protective structure	IP40 equiv.		
	Ambient temp. range	Operation: 0 to 50°C, Storage: -10 to 60°C (no dew condensation or freezing)		
	Ambient humidity range	Operation/Storage: 35 to 85% RH (no dew condensation)		
	Voltage proof	1000 VAC 1 min. (Between the lead wire and the case)		
	Insulation proof	More than 50 MΩ (500 VDC) (between the lead wire and the case)		
	Vibration resistance	Total amplitude 1.5 mm or 100 m/s², 10 Hz-55 Hz-10 Hz scan for 1 min., 2 hours each direction of X, Y and Z.		
	Shock resistance	100m/s², 3 times each in direction of X, Y and Z		
Temperature characteristics		± 0.5% F. S. max. (at 25°C, In temp. range of 0 to 50°C)		
Applicable sensor head	11 Series model code	VUS11- □AR	VUS11- □A	SEU11- □A
	12 Series model code		VUS12- □A	

*1 Select C-1, C-2 or C-3 for selection of a sensor code.
*2 Hysteresis is adjustable (1 to 8 digits) in One point setting mode and Window comparator mode.

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

Pressure Display		Pressure Display Accessories			
Type	Model code	Type	Model code	Type	Model code
Pressure Display SED	SED-31N	Wall bracket ACPG	ACPG-31-B8 * Including fixing screw (2 pcs.)	Upright bracket ACPG	ACPG-31-B9 * Including fixing screw (2 pcs.)
	SED-31P				
		Type	Model code	Type	Model code
		Panel-mounting bracket set ACPG	ACPG-31-P1	Panel-mounting bracket set and Front protection cover ACPG	ACPG-31-P2
		Type	Model code		
		Connector for sensor head cable ACPG	ACPG-31-CN1 *3M：37104-3101-000FL (e-CON conforming)		

CAD 2D 3D data is available at PISCO website.

Package Packaging specifications 1 pc. /bag