

Search Automation Controls 🔍

- Home
- Products
- Download
- Resource
- Support
- Sales Locations

Panasonic Industry > Automation Controls Top > FA Sensors & Components > Pressure Sensors / Flow Sensors > Pressure Sensors / Flow Sensors > DP-101-E-P

Pressure Sensors / Flow Sensors

Pressure Sensors / Flow Sensors >

Dual Display Digital Pressure Sensor [For Gas] DP-100 >

DP-101-E-P

Pressure Digital Display >

Pressure Head-separated >

Discontinued Products >

DP-101-E-P | Dual Display Digital Pressure Sensor [For Gas] DP-100



*Photo may vary from actual product.



Contact Us

Technical Inquiries,
Purchase Support &
Additional Assistance

Technical inquiry

Business inquiry

Product Number	DP-101-E-P
Model Number	DP-101-E-P
Product Name	Dual Display Digital Pressure Sensor [For Gas]



Other inquiry

Details

Standard pressure port type

Download

Catalog/
Datasheet

CAD

Manual

act Us

Technical inquiry

Business inquiry

Other inquiry

- Spec
Detail

▼
- Combination
Products
(Options)

▼

As of April 26, 2025 (JST)
*Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	DP-101-E-P
Part Number	DP-101-E-P
Products Name	Dual Display Digital Pressure Sensor [For Gas]
Product details	Standard pressure port type
Regulatory compliance and certification	CE Marking (E Directive, RoH



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
Type of pressure		Gauge pressure
Rated pressure range		-100.0 to +100.0 kPa
Set pressure range		-101.0 to +101.0 kPa -1.030 to +1.030 kgf/cm ² -1.010 to +1.010 bar -14.64 to +14.64 psi -757 to +757 mmHg -29.8 to 29.8 inHg
Pressure withstandability		500 kPa
Applicable fluid		Non-corrosive gas
Supply voltage		12 to 24 V DC ±10 % Ripple P-P 10 % or less
Power consumption		Normal operation : 720 mW or less (Current consumption 30 mA or less at 24 V supply voltage) ECO mode : 480 mW or less at STD (Current consumption 20 mA or less at 24 V supply voltage) 360 mW or less at FULL (Current consumption 15 mA or less at 24 V supply voltage)



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
Comparative output		- Maximum source current : 100 mA - Applied voltage : 30 V DC or less (between comparative output and +V) - Residual voltage : 2 V or less (at 100 mA source current)
Comparative output : Output operation		NO / NC (selectable by key operation)
Comparative output : Output modes		EASY mode / Hysteresis mode / Window comparator mode
Comparative output : Hysteresis		Minimum 1 digit (variable)(however, 2 digits when using psi unit)
Comparative output : Repeatability		±0.1 % F.S. (within ±2 digits)
Comparative output : Response time		2.5 ms, 5 ms, 10 ms, 25 ms, 50 ms, 100 ms, 250 ms, 500 ms, 1,000 ms, 5,000 ms, selectable by key operation
Comparative output : Short-circuit protection		Incorporated
External input		-
Analog voltage output		-



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
Display		3-color LED display (Display refresh rate : 250 ms, 500 ms, 1,000 ms, selectable by key operation)
Display : Displayable pressure range		-101.0 to +101.0 kPa -1.030 to +1.030 kgf/cm ² -1.010 to +1.010 bar -14.64 to +14.64 psi -757 to +757 mmHg -29.8 to 29.8 inHg
Indicator		Orange LED (Comparative output 1 operation indicator, comparative output 2 operation indicator : Lights up when each comparative output is ON)
Protection		IP40 (IEC)
Ambient temperature		-10 to +50 °C +14 to +122 °F , Storage : -10 to +60 °C +14 to +140 °F
Ambient humidity		35 to 85 % RH (No dew condensation or icing allowed), Storage : 35 to 85 % RH



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
		connected together and enclosure
Insulation resistance		50MΩ or more with 500 V DC megger between all supply terminals connected together and enclosure
Vibration resistance		10 to 500 Hz frequency, 3 mm 0.118 in double amplitude or maximum acceleration 196 m/s ² , in X, Y and Z directions for two hours each (when panel is mounted: 10 to 150 Hz frequency, 0.75 mm 0.030 in double amplitude or maximum acceleration 49 m/s ² , in X, Y and Z directions for two hours each)
Shock resistance		100 m/s ² acceleration (10 G approx.) in X, Y and Z directions three times each
Temperature characteristics		Within ±0.5 % F.S. (at +20 °C +68 °F)
Pressure port		M5 female thr + G 1/8 male



Item		Specifications
		Download
Catalog/ Datasheet	CAD	Manual
Material		reinforced), LCD display : Acrylic, Pressure port : Stainless steel (SUS303), Mounting threaded part : Brass (nickel plated), Switch part : Silicone rubber
Connecting method		Connector
Cable length		Total length up to 100 m 328.084 ft (less than 30 m 98.425 ft when conforming to CE marking) is possible with 0.3 mm ² , or more, cable
Weight		Net weight: 40 g approx., Gross weight: 130 g approx.
Accessories		CN-14A-C2 (Connector attached cable 2 m 6.562 ft): 1pc. (excluding M8 plug-in connector type)

Combination Products (Options)



	Model Number	Product Number	Product
Download			
Catalog/ Datasheet	CAD		Manual
No image	CN-14A-C1	CN-14A-C1	-
No image	CN-14A-C2	CN-14A-C2	-
No image	CN-14A-C3	CN-14A-C3	-

View More

Recently checked products

Recently checked product numbers

- DP-101 | Dual Display Digital Pressure Sensor [For Gas] DP-100 >
- CX-491-P | Compact Photoelectric Sensor CX-400 Ver.2 >
- CX-491 | Compact Photoelectric Sensor CX-400 Ver.2 >

Contact Us



Control Components & Electronic Device Products Technical Support

Relays, Couplers, Connectors, Switches, and Other Control Components & Electronic Device Products

Contact Us

FA Sensors & Components

Catalog/Datasheet

CAD

Manual

Download

Support

FA Sensors, PLC ,Eco Power Meters, Times, Counters, Limit Switcheds and Other FA Sensors & Components

Contact Us

Motors

Motors for FA & Industrial Application, Motors for Appliance & Automotive

Contact Us

Guidelines for Ordering and Usage

Requests to customers (FA Sensors & Components [Excluding motors])

Requests to customers (Dedicated to industrial motors)

Components & Devices	FA Sensors & Components			Motors for FA & Industrial Application
Relays / Couplers	Fiber Sensors	Sensor Options	Static Control Devices	AC Servo Motors for HVAC & Automotive
Connectors	Photoelectric Sensors / Laser Sensors	Wire-Saving Systems	Laser Markers / 2D Code Readers	
Switches	Micro Photoelectric Sensors	Programmable Controllers / Motion Controller	Machine Vision System	
Encoders / Potentiometers				
Transparent Inductive Film				

Cooling Fan

Light Curtains /
Safety
Components

Area Sensors

Inductive
Proximity
Sensors

Particular Use
Sensors

Human
Machine

Energy
Management

Download

Catalog/
Datasheet

CAD

Manual

Measurement
Sensors

