

Various Unit Conversion

DPA series - Compact miniature pressure/vacuum sensors

Delta's new-generation and slim pressure sensor is small in size and light, supporting many installation methods. DPA features high measurement accuracy, excellent stability, high shock and vibration resistance, good over-load capacity, anti-corrosion and heat resistance, and can work with all Delta's industrial automation products in hi-tech electronics industry, general processing industry, food packaging industry and automatic assembly industry.

Various unit conversion

The DPA series offers 6 kinds of globally adopted pressure units for measurement and display.

3-colour LCD display (green, red, orange)

The large LCD with a green, red and orange 3-colour LCD display allows users to set the display colour according to the ambient environment, such as when the pressure is within normal range or exceeds the allowed range. The display's colour is orange when in parameter setup mode. This makes it easy for reading and reduces operation errors.

Safety control mode

The safety control mode prevents operators from carelessly touching relevant parameters and affecting the operation and production of the equipment.

Functions:

- 2 x digital outputs (NPN or PNP) and 1 x analog output (1 - 5V or 4 - 20mA)
- Various unit conversion functions (kPa, kg/cm², bar, mmHg, psi, inchHg)
- Selectable LED (3 colours) set different colours for different parameters
- 10 sets of output response times available (2ms - 5.000ms)
- Connection: 1/8 PT, inner pore M5
- Safety control function (to prevent unwanted parameter changes)



type	pressure	output type		description
	range (kPa)	2 x digital	1 x analog	

Multifunction small pressure sensor (H)30 x (W)30 x (D)26 mm

2 x digital and 1 x 4 - 20mA output

DPA01P-P	-100 - 100kPa	PNP	+4 - 20mA	mini pressure sensor
DPA10P-P	-100 - 1000kPa	PNP	+4 - 20mA	mini pressure sensor
DPA01N-P	-100 - 100kPa	NPN	+4 - 20mA	mini pressure sensor
DPA10N-P	-100 - 1000kPa	NPN	+4 - 20mA	mini pressure sensor

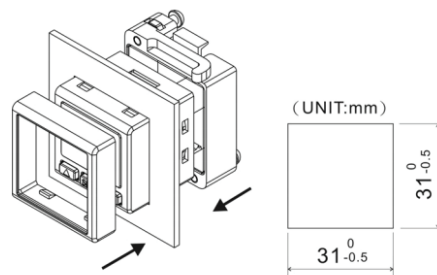
2 x digital and 1 x 1 - 5V

DPA01Q-P	-100 - 100kPa	PNP	+1 - 5V	mini pressure sensor
DPA01M-P	-100 - 100kPa	NPN	+1 - 5V	mini pressure sensor
DPA10M-P	-100 - 1000kPa	NPN	+1 - 5V	mini pressure sensor

Accessories for pressure sensors

DPA-PFKIT	panel mount accessory	(31 x 31 mm cut-out)
DPA-FMKIT	surface mount support bracket	(all sides mounting)

- Panel: Use optional accessory DPA-PFKit.



- To install fixing frame, purchase the optional OPA - FMKit accessory.