



AP-31ZP

Main Unit, Negative-pressure Type, -101.3 kPa, PNP



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

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This model has been discontinued.

Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Ultra-compact Digital Pressure Sensor - AP-C30 series](#)

Specifications

Model		AP-31ZP
Type		Negative-pressure Type, PNP
Rated pressure		0 to -101.3 kPa
Fluid type		Air or non-corrosive gases
Type of pressure		Gauge pressure, air or non-corrosive gases
Display		3 1/2-digit, 2-color, 7-segment LED (Character height: 11 mm 0.43"), Display cycle: 5 times/s
Display resolution		0.1 kPa (0.001 bar)
Detectable pressure range		-15 to +110 % of F.S.
Hysteresis		Variable (when hysteresis mode is selected), 0.5 % of F.S. in standard mode
Response time (Chattering prevention function)		2.5/5/100/500 ms (selectable)
I/O	Zero-shift input	Input time: 20 ms or more
	Control output	PNP open-collector 100 mA max. (30 V max.), Residual voltage: 1 V max. 2-output (N.O./N.C.selectable)
Rating	Power voltage	12 to 24 VDC ±10 %
	Current consumption	50 mA (at 24 V) or less, 90 mA (at 12 V) or less
Environmental resistance	Pressure resistance	5.0 bar (500 kPa)
	Ambient temperature	0 to +50 °C 32 to 122 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Material		Front housing: Polyamide, Front panel sheet: PET, Rear housing: Polysulfone,Pressure port: Die-cast zinc, Cable: Oil-proof cabtyre cable
Accessories		Mounting bracket A, mounting bracket B, hexagon socket head cap plug
Weight		Approx. 120 g

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

AP-31/32/33/34

