KEYENCE

AP-C30KP

Main Unit, Compound-pressure Type, 101.3 to -101.3 kPa, PNP

CE   UL

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

Specifications

Model		AP-C30KP
Type		Multi range, PNP
Rated pressure		Negative pressure mode: 0 to -29.9 inchHg Positive pressure mode: 0 to 29.5 inchHg Compound pressure mode: 29.9 to -29.9 inchHg
Fluid type		Air or non-corrosive gases
Type of pressure		Gauge pressure
Display		3 1/2-digit, 2-color, 7-segment LED (Character height: 0.43" (11 mm)) Display cycle: 10 times/s
Operation indicator		Red LED x 2 (corresponding to control output 1 and 2)
Display resolution		Multi range: Negative/Positive 0.1 inchHg, Compound 0.1 inchHg
Power consumption	Normal	12 V: 900 mW (75 mA) or less, 24 V: 1,320 mW (55 mA) or less
	Eco mode	12 V: 600 mW (50 mA) or less, 24 V: 960 mW (40 mA) or less
Display temperature characteristic		±1 % of F.S. max.
Hysteresis		Variable (Standard: 0.5 % of F.S.)*1
Response time (Chattering prevention function)		2.5, 5, 100, or 500 ms (selectable)
I/O	Analog output	1 to 5 V with load impedance of 1 kΩ max. (or zero-shift input selectable)
	Zero-shift input	Input time: 2 ms or more. (or analog output selectable)
	Control output	PNP open collector 100 mA max. (at 30 V or below) with max. residual voltage of 1 V, 2 outputs (NO or NC selectable)
Pressure port		NPT 1/8 180 ° rotation
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
Environmental resistance	Pressure resistance	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: Polysulfone, Rear housing: PBT, Front seat: Polycarbonate, Pressure port: Zinc die-casting
Accessories		Power supply cord (6.6' 2-m with connector)
Weight		Approx. 30 g (without cable) /Approx. 85 g (with 6.6' 2-m cable)

*1 A standard of 0.2 % of FS applies while in focus mode.

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Dimensions

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

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