



AP-C31K

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



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

Specifications

Model			AP-C31K
Type			Negative pressure, NPN
Rated pressure			0 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			Normal mode: 0.1 inchHg, Focus mode: 0.01 inchHg
Power consumption	Normal		12 V: 720 mW (60 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		NPN open collector 100 mA max. (at 40 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
	Power consumption	Eco mode	12 V: 480 mW (40 mA) or less, 24 V: 720 mW (30 mA) 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.

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

AP-C30_C31_C33_dimension_01.gif

