



AP-32K

Main Unit, Positive-pressure Type, 100 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-32K
Type		Positive pressure, NPN
Rated pressure		0 to 14.50 PSI
Fluid type		Air or non-corrosive gases
Type of pressure		Gauge pressure
Display		3 1/2-digit, 2-color, 7-segment LED (Character height: 11 mm 0.43")
Display resolution		0.02 Psi, 0.1 kPa, 0.001 kgf/cm ² , 0.001 bar
Detectable pressure range		-15 to +110 % of F.S.
Display temperature characteristic		±1 % max. (of F.S.) of detecting pressure at 25 °C 77 °F (0 to 50 °C 32 to 122 °F)
Response time (Chattering prevention function)		2.5/5/100/500 ms (selectable)
I/O	Analog output	1 to 5 V (Load impedance: 47 kΩ min.)
	Control output	NPN open collector 100 mA max. (40 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	72.5 PSI
	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
Weight		Approx. 120 g

Dimensions

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

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