



# AP-32KP

Main Unit, Positive-pressure Type, 100 kPa, PNP



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

## Specifications

|                                                |                      |                                                                                                                                           |
|------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                          |                      | AP-32KP                                                                                                                                   |
| Type                                           |                      | Positive pressure, PNP                                                                                                                    |
| 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 <sup>2</sup> , 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       | 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  | 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.

AP-31/32/33/34

