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# AP-C33KP

Main Unit, Positive-pressure Type, 1 Mpa, PNP

## Specifications

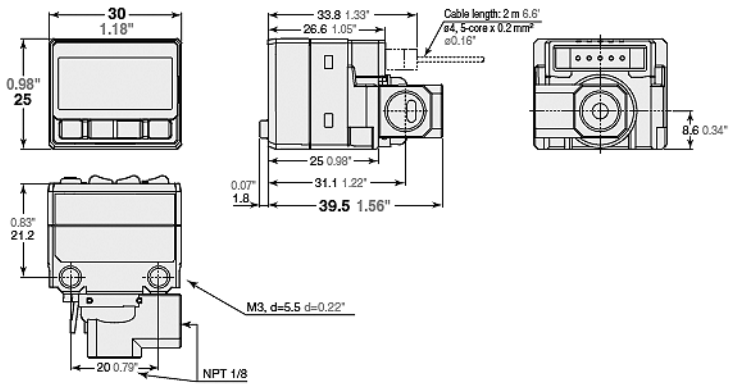
| | | | |
|---|---|---|---|
| Model | | | AP-C33KP |
| Type | | | Positive pressure, PNP |
| Rated pressure | | | 0 to 145.0 Psi |
| Fluid type | | | Air or non-corrosive gases |
| Type of pressure | | | Gauge pressure |
| Display | | | 3 1/2-digit, 2-color, 7-segment LED (Character height: 0.43" (11 mm)) Display cycle: 10 times/s |
| Operation indicator | | | Red LED x 2 (corresponding to control output 1 and 2) |
| Display resolution | | | Normal mode: 0.2 Psi, Focus mode: 0.02 Psi |
| Power consumption | Normal | | 12 V: 900 mW (75 mA) or less, 24 V: 1,320 mW (55 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 |
| | Power consumption | Eco mode | 12 V: 600 mW (50 mA) or less, 24 V: 960 mW (40 mA) or less |
| Environmental resistance | Pressure resistance | | 1.5 MPa |
| | 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), Unit seal |
| 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.

# Dimensions

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

## AP-C30_C31_C33_dimension_01.gif



**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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