



AP-N10
Sensor amplifier: Single output type



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

Specifications

Model			AP-N10
Type			Single output type
Applicable sensor head			AP-41M, AP-41, AP-43, AP-44, AP-48
Configuration/Display range			-15 to +110 % of F.S.
Repeatability			±0.2 % of F.S.
Display resolution			AP-41M/41/44/48: Standard mode 0.1 kPa, High resolution mode 0.01 kPa AP-43: Standard mode 0.001 MPa, High resolution mode 0.1 kPa
Power consumption	Normal		770 mW or less (at 24 V, 32 mA or less/at 12 V, 54 mA or less)
Expansion units			Max. 16 units (Dual output type is counted as 2 units.)*1
Control output(s)			1*2
Display temperature characteristic			±1 % of F.S. (When the temperature varies from 25 °C 77 °F)
Response time (Chattering prevention function)			1 ms/2.5 ms/5 ms/100 ms/500 ms/1,000 ms/5,000 ms selectable
Rating	Power voltage		12 to 24 VDC ±10 %, Ripple (P-P) 10 % max. Class2
	Power consumption	Eco mode	560 mW or less (at 24 V, 23 mA or less/at 12 V, 37 mA or less)
Environmental resistance	Ambient temperature		0 to +50 °C 32 to 122 °F (No freezing)*3
	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
	Shock resistance		500 m/s², 3 times in each of the X, Y, and Z directions
Material			Main unit and cover: Polycarbonate
Weight			Approx. 20 g

*1 Can connect to other N-bus sensor amplifiers. N-bus represents the wire-saving system for KEYENCE-manufactured sensor amplifiers.

*2 Number of outputs when connected to the communication unit NU Series. There are no control output wires.

*3 11 to 16 units connected: 0 to +45 °C 32 to 113 °F (When the sensor amplifier is installed on DIN rail on a metal plate)

Dimensions

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

ap-n10_n10d_dimension_01.gif

