

KG12

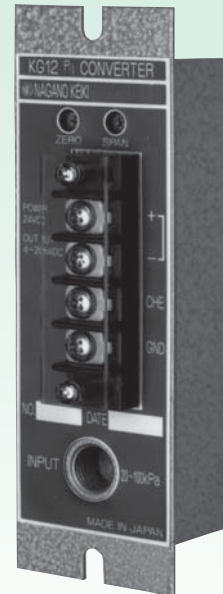
P/I Converter

Overview

This KG12 is a P/I converter that can detect 20 to 100kPa input air and converts to 4 to 20mA DC electric signal in proportion to input air pressure. Suitable for the use with pneumatic system application.

Features

- Because the semiconductor strain gauge is used as a sensor at the pressure-electricity conversion portion, it contributes to high reliability.
- Because there are no moving portions, the I/P Converter performs excellent shock and vibration resistance.
- The test terminal is mounted on the terminal section, allowing for output check without opening the output circuit.
- Because of its small and lightweight design, high density mounting is possible.
- Rack-mounting design makes it easy for wiring and piping works at front.



Specifications

Media:

Gas

Installation environment:

Install in location where no gases or liquids may exist that have the potential to become flammable or ignitable under normal operating condition

Mounting:

Rack mounting

Connection:

Rc1/4, 1/4NPT Female

Wetted parts:

Diaphragm...SUS630 (17-4PH)

Fitting...C3604BD

O-ring...NBR (NBR)

(Chloroprene, Fluorine rubber, EPDM are also available)

Input signal:

20 to 100kPa

Operating temperature range:

0 to 50°C

Power source:

24V DC $\pm 10\%$

Output:

4 to 20mA DC

Load resistance:

0 to 500 Ω max.

Transmission system:

2 wire system

Accuracy:

$\pm 0.5\%$ F.S. or $\pm 1.0\%$ F.S.

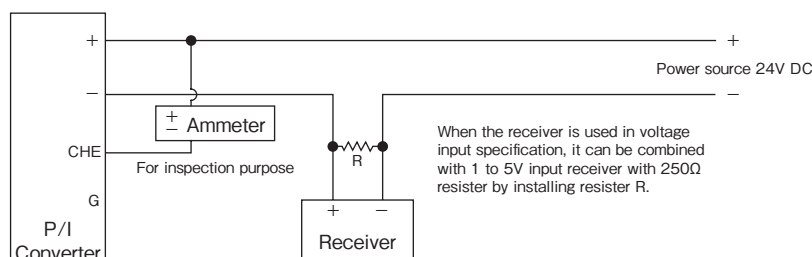
Case material, finish:

Sheet steel / Gray crystal paint

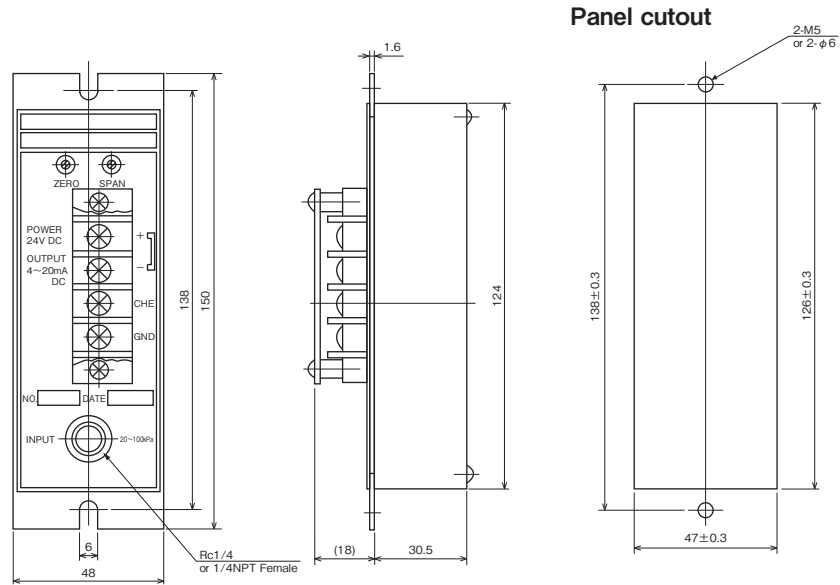
Weight:

Approx. 300g

Wiring



Dimensions



Model number configuration

Please specify the model number and each specification for ordering.

Model		P/I Converter														
Model number		Product specifications				Additional specifications (Optional)										
①	Mounting	1	Rack mounting	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	
②	Connection	5	Rc1/4	(Input signal: 20 to 100kPa)												
③	Output	1	4 to 20mA DC													
④	Accuracy	5	±0.5%F.S.													
		7	±1.0%F.S.													
⑮	Documents	0	Not required													
		1	Required (Documents available upon request) Datasheet (Drawing / Specifications) Instruction manual Inspection procedure Mill test report Calibration test report (One-part one sheet) Strength calculation sheet Attending inspection													

* Specify code "X" to refer N/A