



Model KG12 P/I Converter

OUTLINE

This model KG12 air-electricity converter is a converter which receives an air signal of 20 kPa to 100 kPa (0.2 kgf/cm² to 1.0kgf/cm²) and converts it into an electric signal of 4 mA to 20 mA in proportion to the air signal. It is appropriately applied to air type system instruments in combination with electronic measuring instruments.

FEATURES

- As a semiconductor strain gauge is equipped as a sensor at the pressure-electricity conversion portion, this air to electricity conversion demonstrates high reliability.
- As no moving parts exist, this air to electricity conversion demonstrates excellent impact resistance and vibration resistance.
- A terminal for check is provided in the terminal portion. So, output check can be performed without opening the output circuit.
- This converter is small in size and light in weight.
- High density installation is possible.

SPECIFICATION

Fluid:

Gas

Operating condition:

Under the normal condition, where there is no inflammable gas or liquid which cause the ignition or explosion.

Installation:

Rack installation

Connection:

Rc1/4 (PT), 1/4 NPT female

Input signal:

20 ~ 100kPa (0.2 ~ 1kgf/cm²),

3 ~ 15psi

Operating temperature:

0 ~ 50°C

Power source:

24V DC±10%

Output:

4 ~ 20mA DC

Load resistance:

0 ~ 500Ω max.

Transmission system:

2 wire system

Accuracy:

±0.5 % F.S. or ±1.0 % F.S.

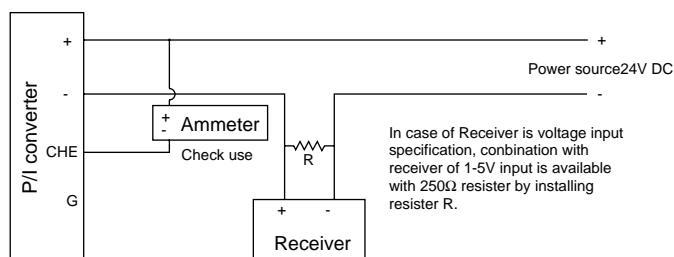
Case material • finishing:

Sheet-steel • Gray crystallization painting

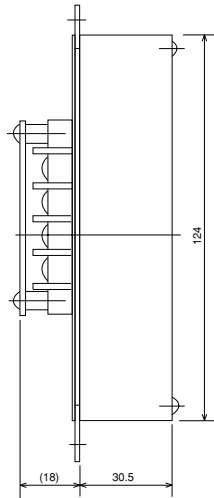
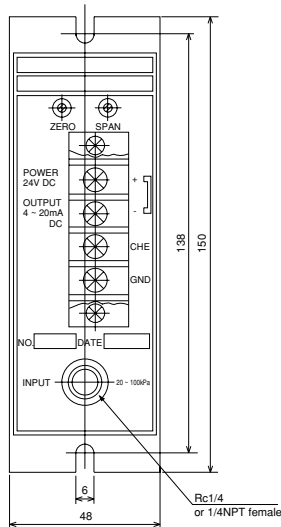
Weight:

Approx.300 g

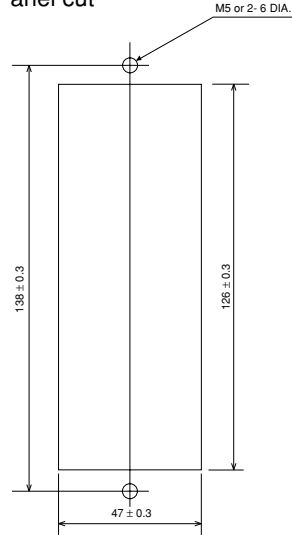
WIRING



DIMENSIONS



Panel cut



Type No. constitution

Please specify Type No., each specification and range when ordering.

Note: For this Model, there is no applicable item for the figures X, but please specify X when ordering.

P/I converter **K G 1 2** — 1 2 3 — 4 5 6 7 8 9 10 11 12 13 14 15

Selection spec. Additional spec. (Option)

Type No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 Installation

1	Rack installation
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2 Connection

Connection	Input signal
5	Rc1/4 20 ~ 100kPa
6	1/4 NPT female 3 ~ 15psi

3 Output

1	4 ~ 20mA DC
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4 Accuracy

4	±0.5%F.S.
6	±1.0%F.S.

15 Document

0	Nil
1	Please specify your requirement Drawing one sheet, Instruction manual, Inspection procedure, Mill sheet, Test report

The contents in the catalogue are subject to change without notice.



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UEDA FACTORY (JQA-0794)
 MARUKO FACTORY (JQA-0789)

