Pneumatic Motion Transmitter
Model HTM

OVERVIEW
Model HTM pneumatic motion transmitter converts changes of valve openings, actuator strokes, and other items to pneumatic signals, and transmits them to a valve positioner. As a family product of our Model HTP valve positioner this is composed of a common mechanism and common parts. By adding a gasket for Model HTM to Model HTP valve positioner, this Model HTM can function as a motion transmitter.

SPECIFICATIONS

Output:
- 20 to 100 kPa {0.2 to 1.0 kgf/cm²}
- 20 to 60 kPa {0.2 to 0.6 kgf/cm²}, 60 to 100 kPa {0.6 to 1.0 kgf/cm²} (Optional)

Output characteristics:
Linear

Supply air pressure:
- 140 to 270 kPa {1.4 to 2.8 kgf/cm²}
- 340 kPa {3.5 kgf/cm²}

Air consumption:
7 Nl/min. or under (normal state, supply air pressure 140 kPa {1.4 kgf/cm²})

Travel adjustable range:
- 12 to 100 mm (Rotating angle 50°)
- 6 to 12 mm (Optional)

Air piping connection:
Rc 1/4 or 1/4 NPT internal thread

Ambient temperature:
-25 to +60 °C

Performance:
Accuracy ; ± 1 % F.S.
Dead band ; Within 0.1 % F.S.

Additional specifications (by special order):
Corrosion-resistant and silver finish (Semi-standard specification Y138):
- Corrosion-resistant (Acryl baking) finish (Y138A) ; Resistance for corrosive gases.
- Corrosion-proof (Epoxy baking) finish (Y138B) ; Resistance for corrosive liquids.
- Silver-normal (Acryl baking) finish (Y138C) ; Protection for temperature rise of device caused by direct sun light, radiation heat, etc.
- Silver-corrosion-resistant (Acryl baking) finish (Y138D) ; Protection for above-mentioned temperature rise and resistance for corrosive gases.

Note) Silver finish is not applicable for alkaline gases.

Weight:
2.8 kg

Housing material:
Aluminum alloy casting

Finish:
Acryl baking finish (For corrosion-resistant and silver finish, refer to the optional specification.)

Color of finish:
Dark beige (Munsell 10YR 4.7/0.5)
Figure 1  External dimensions

Ordering information

When ordering, please specify:

1) Model number : HTM
2) Output range
3) Supply air pressure
4) Actuator model No. and stroke, etc.
5) Option