

# 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/cm<sup>2</sup>}  
 20 to 60 kPa {0.2 to 0.6 kgf/cm<sup>2</sup>}, 60 to 100 kPa {0.6 to 1.0 kgf/cm<sup>2</sup>} (Optional)

#### **Output characteristics:**

Linear

#### **Supply air pressure:**

140 to 270 kPa {1.4 to 2.8 kgf/cm<sup>2</sup>}  
 340 kPa {3.5 kgf/cm<sup>2</sup>}

#### **Air consumption:**

7 Nl/min. or under (normal state, supply air pressure 140 kPa {1.4 kgf/cm<sup>2</sup>})

#### **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

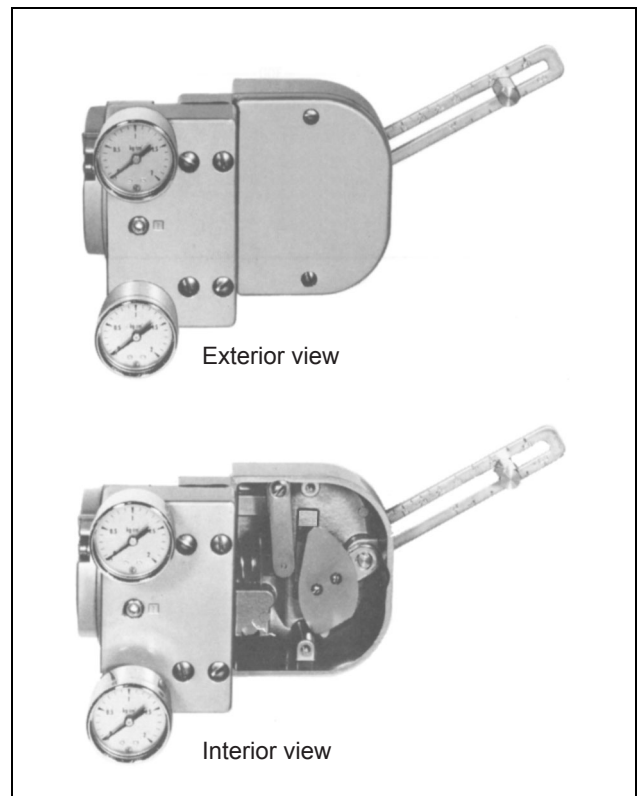
#### **Performance:**

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)

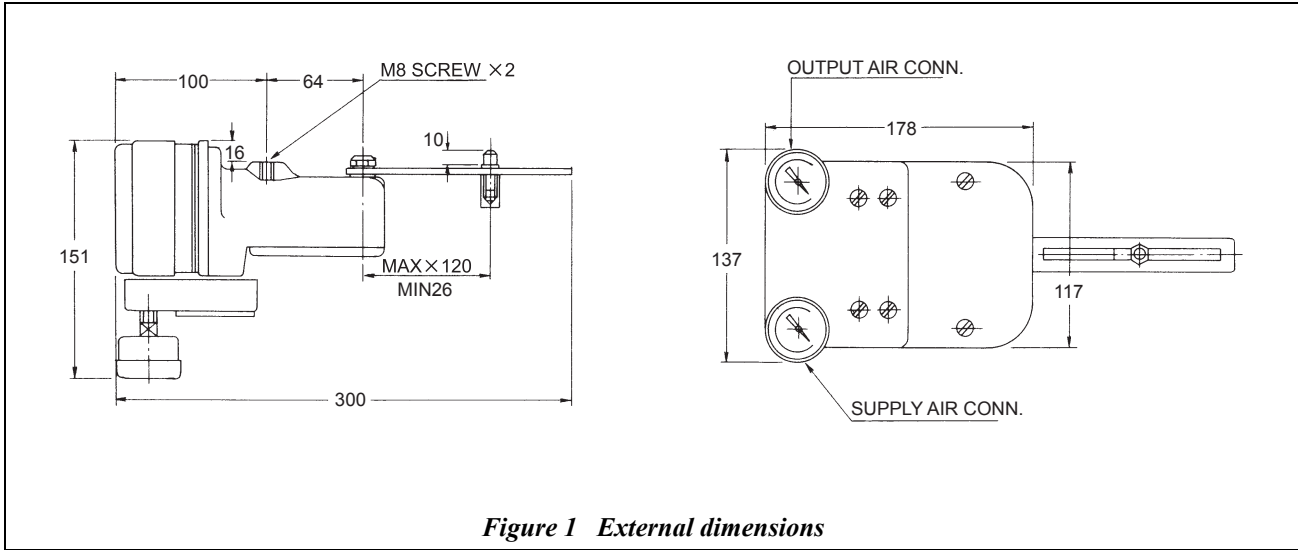


Figure 1 External dimensions

### Ordering information

When ordering, please specify;

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

Specifications are subject to change without notice.

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