

# M\*SS-НТ, G\*AL-НТ

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

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Барнаул (3852)73-04-60  
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# CIRCULAR/SPUR GEAR FLOW M



Fiber optic gear type flow meter



# TWO KINDS OF GEARS

Fiber optic volumetric flowmeter, used for strong static electricity and explosion-proof places, high temperature testing, etc.,



## Customizable:

high temperature, high frequency, two-way measurement.

# SIGNAL OUTPUT TYPE

Optical fiber pulse output With CV8Sremote digital display, 4-20mA analog output, Modbus RTU 485 communication, cumulative alarm, instantaneous alarm, etc.



**CV8Sremote digital display,  
4-20mA analog output,  
Modbus RTU 485 communication,  
cumulative alarm,  
instantaneous alarm**

# ALUMINUM ALLOY

## **1. Stainless steel series**

Except for the Hersman connector, the housing material is stainless steel, gears SS316, the bearing (stainless steel, ceramic);

## **2. Aluminum alloy series**

Except for the Hersman connector, the housing material is aluminum, gears SS316, the bearing is stainless steel;



# DETAILED PARAMETERS

## <FEATURES>

Fiber optic volumetric flowmeter, used for strong static electricity and explosion-proof places, high temperature testing, etc. suitable for water-based spraying, coal mining and other industries. Customizable: high temperature, high frequency, two-way measurement.

## <PRODUCT CHARACTERISTICS>

Power supply: DC24v (amplifier)

Measuring range: 1:40

Accuracy: 1~0.5 level

Temperature: -40~250°

C Pressure resistance: 32bar Signal: Optical fiber pulse output

## <MAIN SPECIFICATIONS>

M-series

| Item <sup>①</sup> | K coefficient | flow range                   | Connection size <sup>②</sup> | Shell material | Gear material (optional) <sup>③</sup> |
|-------------------|---------------|------------------------------|------------------------------|----------------|---------------------------------------|
| M2. 1-HT          | 0.055mL/p     | 1~200 ml/min                 | G1/8                         | SS/AL          | PPS                                   |
| M5. 2-HT          | 0.11mL/p      | 3~300 ml/min<br>1~400 ml/min | G1/8                         | SS/AL          | PPS/316L                              |
| M5. 1-HT          | 0.25mL/p      | 2~800 ml/min<br>5~800 ml/min | G1/8                         | AL             | PPS/316L                              |
| M6-AL-HT          | 0.5mL/p       | 0.5~100 L/H                  | G1/4 or G1/8                 | AL             | PPS                                   |
| M6-SS-HT          | 0.5mL/p       | 0.5~100 L/H                  | G1/4 or G1/8                 | SS             | PPS/316L                              |
| M9-AL-HT          | 2.5mL/p       | 6~600 L/H                    | G1/4                         | AL             | AL/PPS/316L                           |
| M9-SS-HT          | 2.5mL/p       | 6~600 L/H                    | G1/4                         | SS             | PPS/316L                              |
| M12-AL-HT         | 8.5mL/p       | 0.3~30 L/min                 | G1/2                         | AL             | AL/PPS                                |
| M12-SS-HT         | 13.5mL/p      | 0.3~30 L/min                 | G1/2                         | SS             | PPS/316L                              |
| M25-AL-HT         | 21.5mL/p      | 0.5~100L/min                 | G1                           | AL             | AL/PPS                                |
| M25-SS-HT         | 33.5mL/p      | 0.5~100L/min                 | G1                           | SS             | PPS/316L                              |



## G-series

| Item <sup>※</sup> | K coefficient | flow range     | Connection size <sup>※</sup> | Shell material | Gear material (optional) <sup>※</sup> |
|-------------------|---------------|----------------|------------------------------|----------------|---------------------------------------|
| G0.015            | 0.015ml/P     | 0.004~0.5L/min | G1/8                         | SS316L         | SS/AL                                 |
| G0.025            | 0.025ml/P     | 0.004~2L/min   | G1/8                         | SS316L         | SS/AL                                 |
| G0.04             | 0.04ml/P      | 0.01~4L/min    | G1/4                         | SS316L         | SS/AL                                 |
| G0.1              | 0.1ml/P       | 0.02~8L/min    | G1/4                         | SS316L         | SS/AL                                 |
| G0.2              | 0.245ml/P     | 0.08~16L/min   | G3/8<br>G1/2                 | SS316L         | SS/AL                                 |
| G0.4              | 0.4ml/P       | 0.1~40L/min    | G1/2<br>G3/4                 | SS316L         | SS/AL                                 |
| G1.0              | 1ml/P         | 0.2~80L/min    | G1/2<br>G3/4                 | SS316L         | SS/AL                                 |
| G2.0              | 2ml/P         | 0.5~120L/min   | G1<br>G3/4                   | SS316L         | SS/AL                                 |

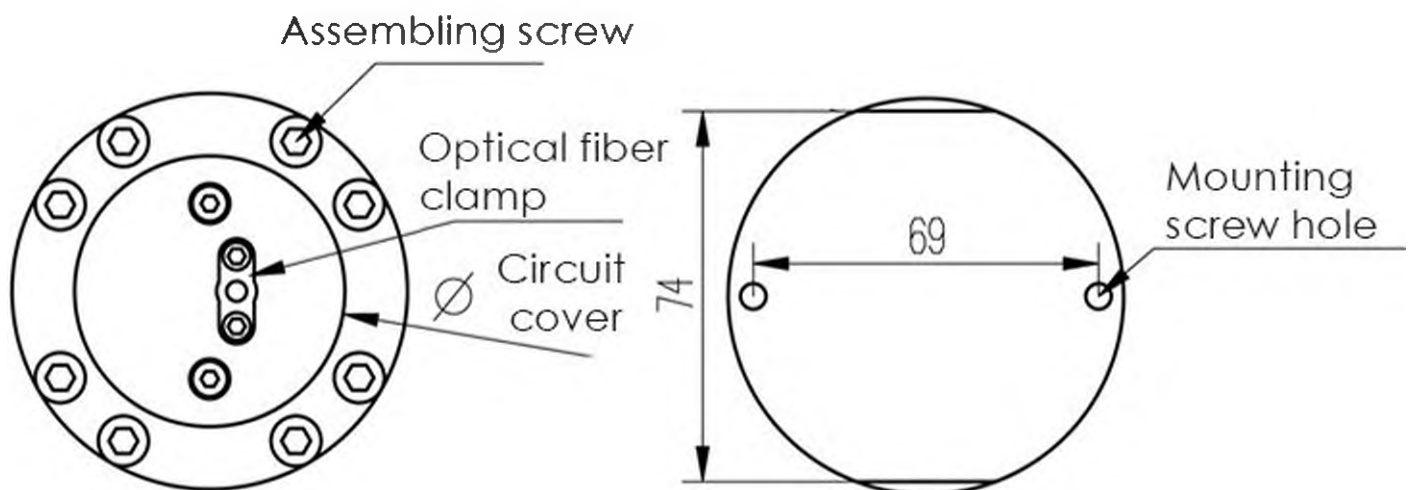
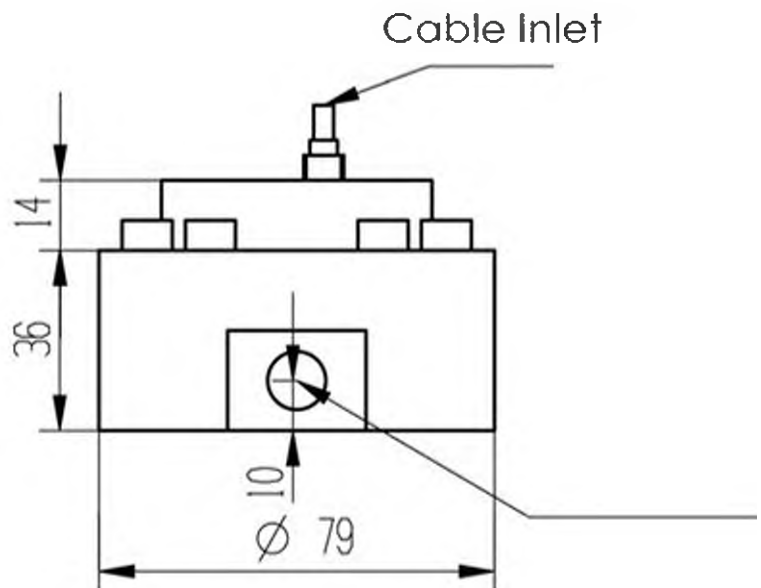
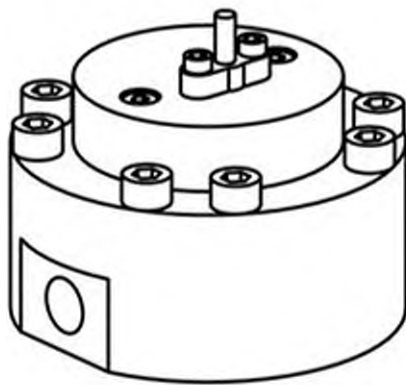
## <SHAPE AND SIZE>

### M-series

| HT-HR                    | M5.1SS/AL | M6SS/AL | M9SS/AL | M12SS/ALL |
|--------------------------|-----------|---------|---------|-----------|
| Specifications           | mm        | mm      | mm      | mm        |
| Body thickness           | 37        | 40      | 46.5    | 56        |
| Total height of profile  | 51        | 54      | 60.5    | 70        |
| Import and export thread | G1/8-28   | G1/4-19 | G1/4-19 | G1/2-14   |
| Outside width            | φ 49      | φ 49    | φ 64    | φ 89      |
| Bottom screw hole        | 2-M5      | 2-M5    | 2-M5    | 2-M5      |
| Hole spacing             | 42        | 42      | 54      | 60        |
| Total length with filter | 114       | 113     | 129     | /         |

## G-series

| SS/AL-HT-HR              | G0.025  | G0.04   | G0.1    | G0.2    | G0.4    | G1.0    | G2.0    |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|
| Specifications           | mm      | mm      | mm      | mm      | mm      | mm      | mm      |
| Body thickness           | 36      | 44      | 36      | 56      | 66      | 57      | 75      |
| Total height of profile  | 50      | 58      | 50      | 70      | 80      | 71      | 89      |
| Import and export thread | G1/8-28 | G1/4-19 | G1/4-19 | G3/8-19 | G1/2-14 | G1/2-14 | G3/4-14 |
| Outside width            | Φ 63    | Φ 63    | Φ 79    | Φ 79    | Φ 79    | Φ 99    | Φ 99    |
| Bottom screw hole        | 2-M5    | 2-M5    | 2-M6    | 2-M6    | 2-M6    | 2-M6    | 2-M6    |
| Hole spacing             | 49      | 49      | 69      | 69      | 69      | 60      | 60      |
| Total length with filter | 128     | 128     | /       | /       | /       | /       | /       |







G0.1AL-HT 0.02~3.2 L/min



G0.1AL-HT 0.02~3.2 L/min



G0.1AL-HT 0.02~3.2 L/min



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