

# SSY, ALY

## Технические характеристики

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# OVAL GEAR FLOW METER



## Integrated display gear flow meter

The integrated display can have various outputs: such as 4 -20ma analog output;modbus RTU 485 communication output; cumulative alarm output;and instantaneous alarm output.





HIGH PRECISION



STABLE



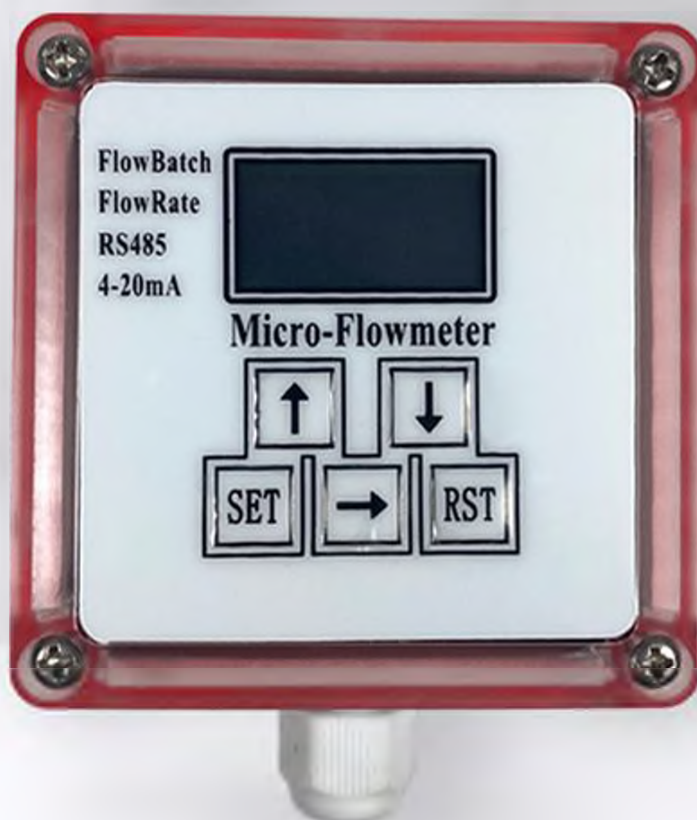
WIDE RANGE



EASY TO INSTALL

# INTEGRATED DISPLAY

Integrated display makes it easy to check the flow on the site.



```
00059.9 cc/m M
00060.0 cc/m S
L-A: 00000.0
H-A: 00160.0
```

The integrated display can have various outputs: such as 4 -20ma analog output; modbus RTU 485 communication output; cumulative alarm output; and instantaneous alarm output.

# COPPER CONTACT

The internal conductive structure is high quality copper. Stable performance, oxidation resistance, excellent conductivity. Less transmission loss, less resistance, less heating and safer conduction



# ALLOY MATERIAL

## 1. Stainless steel series

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

## 2. Aluminum series

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



# DETAILED PARAMETERS

## <FEATURES>

The flowmeter cavity has a pair of intermeshing gears as the rotor, and the two gears and the cavity respectively form a fixed volume, which is called a standard volume. Gear flow is measured by counting the number of standard volumes that flow through a given period of time.

## <PARAMETER>

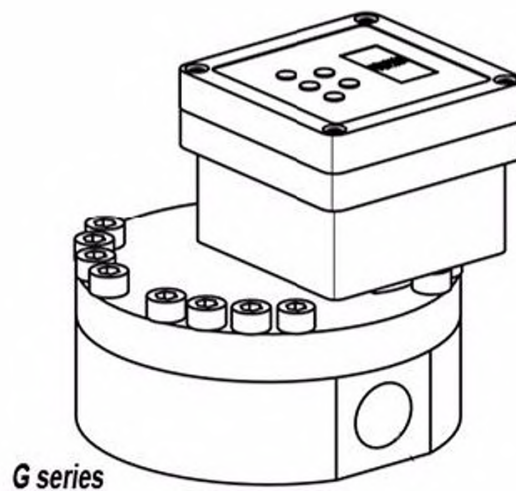
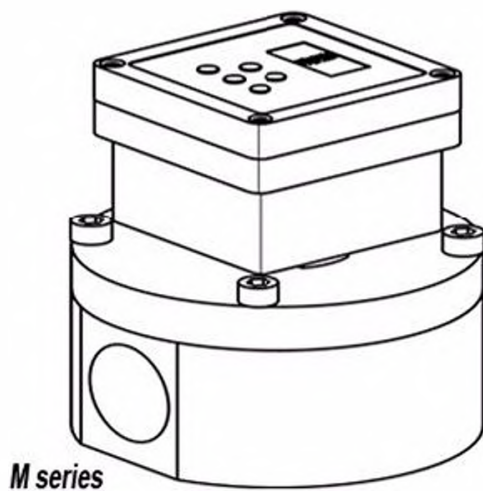
### G-series

| Item <sup>①</sup>      | K coefficient          | flow range                             | Connection size <sup>②</sup> | Shell material <sup>③</sup> | Gear material (optional) <sup>④</sup> |
|------------------------|------------------------|----------------------------------------|------------------------------|-----------------------------|---------------------------------------|
| CX-G0.015 <sup>⑤</sup> | 0.015ml/P <sup>⑥</sup> | G1/8 <sup>⑦</sup>                      | 0.004~0.5L/min <sup>⑧</sup>  | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G0.025 <sup>⑤</sup> | 0.025ml/P <sup>⑥</sup> | G1/8 <sup>⑦</sup>                      | 0.004~2L/min <sup>⑧</sup>    | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G0.04 <sup>⑤</sup>  | 0.04ml/P <sup>⑥</sup>  | G1/4 <sup>⑦</sup>                      | 0.01~4L/min <sup>⑧</sup>     | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G0.1 <sup>⑤</sup>   | 0.1ml/P <sup>⑥</sup>   | G1/4 <sup>⑦</sup>                      | 0.02~8L/min <sup>⑧</sup>     | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G0.2 <sup>⑤</sup>   | 0.245ml/P <sup>⑥</sup> | G3/8 <sup>⑦</sup><br>G1/2 <sup>⑦</sup> | 0.08~16L/min <sup>⑧</sup>    | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G0.4 <sup>⑤</sup>   | 0.4ml/P <sup>⑥</sup>   | G1/2 <sup>⑦</sup><br>G3/4 <sup>⑦</sup> | 0.1~40L/min <sup>⑧</sup>     | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G1.0 <sup>⑤</sup>   | 1ml/P <sup>⑥</sup>     | G1/2 <sup>⑦</sup><br>G3/4 <sup>⑦</sup> | 0.2~80L/min <sup>⑧</sup>     | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |
| CX-G2.0 <sup>⑤</sup>   | 2ml/P <sup>⑥</sup>     | G1 <sup>⑦</sup><br>G3/4 <sup>⑦</sup>   | 0.5~120L/min <sup>⑧</sup>    | SS316L <sup>⑨</sup>         | SS/AL <sup>⑩</sup>                    |

## M-series

| Item <sup>①</sup>      | K coefficient <sup>②</sup> | flow range <sup>③</sup>                                | Connection size <sup>④</sup> | Shell material <sup>⑤</sup> | Gear material (optional) <sup>⑥</sup> |
|------------------------|----------------------------|--------------------------------------------------------|------------------------------|-----------------------------|---------------------------------------|
| CX-M2 <sup>⑦</sup>     | 0.055mL/p <sup>⑧</sup>     | 1-200 ml/min <sup>⑨</sup>                              | G1/8 <sup>⑩</sup>            | SS/AL <sup>⑪</sup>          | PPS <sup>⑫</sup>                      |
| CX-M3 <sup>⑦</sup>     | 0.065mL/p <sup>⑧</sup>     | 3~300 ml/min <sup>⑨</sup>                              | G1/8 <sup>⑩</sup>            | SS/AL <sup>⑪</sup>          | 316L <sup>⑫</sup>                     |
| CX-M5.2 <sup>⑦</sup>   | 0.11mL/p <sup>⑧</sup>      | 3~300 ml/min <sup>⑨</sup><br>1~400 ml/min <sup>⑨</sup> | G1/8 <sup>⑩</sup>            | SS/AL <sup>⑪</sup>          | PPS/316L <sup>⑫</sup>                 |
| CX-M5.1 <sup>⑦</sup>   | 0.25mL/p <sup>⑧</sup>      | 2~800 ml/min <sup>⑨</sup><br>5~800 ml/min <sup>⑨</sup> | G1/8 <sup>⑩</sup>            | AL <sup>⑪</sup>             | PPS/316L <sup>⑫</sup>                 |
| CX-M6-AL <sup>⑦</sup>  | 0.5mL/p <sup>⑧</sup>       | 0.5~100 L/H <sup>⑨</sup>                               | G1/4 or<br>G1/8 <sup>⑩</sup> | AL <sup>⑪</sup>             | PPS <sup>⑫</sup>                      |
| CX-M6-SS <sup>⑦</sup>  | 0.5mL/p <sup>⑧</sup>       | 0.5~100 L/H <sup>⑨</sup>                               | G1/4 or<br>G1/8 <sup>⑩</sup> | SS <sup>⑪</sup>             | PPS/316L <sup>⑫</sup>                 |
| CX-M9-AL <sup>⑦</sup>  | 2.5mL/p <sup>⑧</sup>       | 6~600 L/H <sup>⑨</sup>                                 | G1/4 <sup>⑩</sup>            | AL <sup>⑪</sup>             | AL/PPS/316L <sup>⑫</sup>              |
| CX-M9-SS <sup>⑦</sup>  | 2.5mL/p <sup>⑧</sup>       | 6~600 L/H <sup>⑨</sup>                                 | G1/4 <sup>⑩</sup>            | SS <sup>⑪</sup>             | PPS/316L <sup>⑫</sup>                 |
| CX-M12-AL <sup>⑦</sup> | 8.5mL/p <sup>⑧</sup>       | 0.3~30 L/min <sup>⑨</sup>                              | G1/2 <sup>⑩</sup>            | AL <sup>⑪</sup>             | AL/PPS <sup>⑫</sup>                   |
| CX-M12-SS <sup>⑦</sup> | 13.5mL/p <sup>⑧</sup>      | 0.3~30 L/min <sup>⑨</sup>                              | G1/2 <sup>⑩</sup>            | SS <sup>⑪</sup>             | PPS/316L <sup>⑫</sup>                 |
| CX-M25-AL <sup>⑦</sup> | 21.5mL/p <sup>⑧</sup>      | 0.5~100L/min <sup>⑨</sup>                              | G1 <sup>⑩</sup>              | AL <sup>⑪</sup>             | AL/PPS <sup>⑫</sup>                   |
| CX-M25-SS <sup>⑦</sup> | 33.5mL/p <sup>⑧</sup>      | 0.5~100L/min <sup>⑨</sup>                              | G1 <sup>⑩</sup>              | SS <sup>⑪</sup>             | PPS/316L <sup>⑫</sup>                 |

## <PRODUCT SIZE>



| Integrated display         | M2.1<br>M5.2 | M5.1 | M6   | M9   | M12  | M25  | G0.015<br>G0.025 | G0.04 | G0.1 | G0.2 | G0.4 | G1.0 | G2.0 |
|----------------------------|--------------|------|------|------|------|------|------------------|-------|------|------|------|------|------|
| Specification              | mm           | mm   | mm   | mm   | mm   | mm   | mm               | mm    | mm   | mm   | mm   | mm   | mm   |
| Body thickness             | 30           | 30   | 30   | 40   | 44   | 58   | 34               | 44    | 34   | 46   | 54   | 44   | 54   |
| Out shape overall height   | 87           | 87   | 87   | 97   | 101  | 115  | 91               | 101   | 91   | 103  | 111  | 101  | 111  |
| Connection thread          | G1/8         | G1/8 | G1/4 | G1/4 | G1/2 | G1   | G1/8             | G1/4  | G1/4 | G3/8 | G1/2 | G1/2 | G3/4 |
| Bottom installation        | 2-φ5         | 2-φ5 | 2-φ5 | 2-φ5 | 2-φ5 | 2-φ6 | 2-φ5             | 2-φ5  | 8-φ6 | 2-φ6 | 2-φ6 | 2-φ6 | 2-φ6 |
| Installation hole distance | 31           | 42   | 42   | 54   | 72   | 92   | 49               | 49    | 69   | 69   | 69   | 90   | 90   |
| Outside width              | 34           | 45   | 45   | 61   | 84   | 99   | 64               | 64    | 79   | 79   | 79   | 94   | 94   |
| With filter                | 102          | 114  | 114  | 129  | /    | /    | 129              | 129   | /    | /    | /    | /    | /    |





M2.1 SSY 0.5~150ml/min



M2.1 ALY 0.5~150ml/min



M5.2 SSY 2~400ml/min



M5.2 ALY 2~400ml/min



M5.1 SSY 5~800ml/min



M5.1 ALY 5~800ml/min



M6 SSY 0.5~100L/H



M6 ALY 0.5~100L/H



M9 SSY 6~600L/H



M9 ALY 6~600L/H



M25 SSY 0.5~100L/min



M25 ALY 0.5~100L/min



CX-G0.2 0.08~16L/min



M12 ALY 0.3~30L/min

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