

## Gas Flow Meter

Mass Flow Meter / Compress Air

Nitrogen / Argon



### PRODUCT PARAMATER



### Unit Conversion Table

| Model   | DN (mm) | Connection            | Maximum full-scale flow rate |      |      |
|---------|---------|-----------------------|------------------------------|------|------|
|         |         |                       | SLPM                         | SCFH | NCMH |
| FWD5706 | 6       | BSPP 1/4" or NPT 1/4" | 20                           | 40   | 1.2  |
| FWD5708 | 8       | BSPP 3/8" or NPT 3/8" | 100                          | 200  | 6    |
| FWD5712 | 12      | BSPP 1/2" or NPT 1/2" | 250                          | 500  | 15   |

### PRODUCT PARAMATER



### Basic Parameter

|                        | <b>FWD5706</b>                           | <b>FWD5708</b>           | <b>FWD5712</b>           | <b>Unit</b> |
|------------------------|------------------------------------------|--------------------------|--------------------------|-------------|
| Full-scale flow range  | 0~20                                     | 0~100                    | 0~250                    | SLPM        |
| Accuracy               | $\pm(2.0+0.5FS)$                         |                          |                          | %           |
| Repeatability          | 0.5                                      |                          |                          | %           |
| Turn-down ratio        | 80 : 1                                   |                          |                          |             |
| Response time          | <2.0                                     |                          |                          | sec         |
| Working temperature    | -10~55                                   |                          |                          | °C          |
| Maximum pressure       | 0.8                                      |                          |                          | MPa         |
| Humidity               | <95, no condensation                     |                          |                          | %RH         |
| Maximum overflow       | 100                                      | 200                      | 400                      | SLPM        |
| Maximum flow change    | 15                                       | 30                       | 60                       | SLPM/sec    |
| Pressure loss          | 0.6                                      | 1.0                      | 2.0                      | kPa         |
| Power supply           | 4-AA batteries (LR6) / 5~24 Vdc          |                          |                          |             |
| Power consumption      | >60 (on batteries)                       |                          |                          | day         |
| Power / data interface | USB Type-C                               |                          |                          |             |
| Digital output         | RS485 Modbus half-duplex                 |                          |                          |             |
| Wireless options       | LoRa / WIFI / NB-IoT / BT LE             |                          |                          |             |
| Display                | LCD                                      |                          |                          |             |
| Resolution             | 0.01 L/min (instant) / 1 L (accumulated) |                          |                          |             |
| Mechanical connection  | BSPP 1/4" or<br>NPT 1/4"                 | BSPP 3/8" or<br>NPT 3/8" | BSPP 1/2" or<br>NPT 1/2" |             |
| Storage temperature    | -20 ~ 70                                 |                          |                          | °C          |
| Reference conditions   | 20°C, 101.325 kPa, air                   |                          |                          |             |
| Protection             | IP50                                     |                          |                          |             |
| Fluid compatibility    | Non-corrosive                            |                          |                          |             |
| CE                     | EN61326-1; -2; -3                        |                          |                          |             |

## PRODUCT DETAIL

