

## FEATURES

- High precision linear stability
- Good reliability and anti-interference performance
- No zero drift, strong anti-interference ability

## PRODUCT APPLICATION

- Paper making, refine sugar, mining and metallurgy, drainage, environmental protection
- Water conservancy and hydraulic engineering, iron and steel, petroleum, Pharmaceutical, various beverages
- Petroleum, organic liquid, inorganic liquid, cryogenic fluid



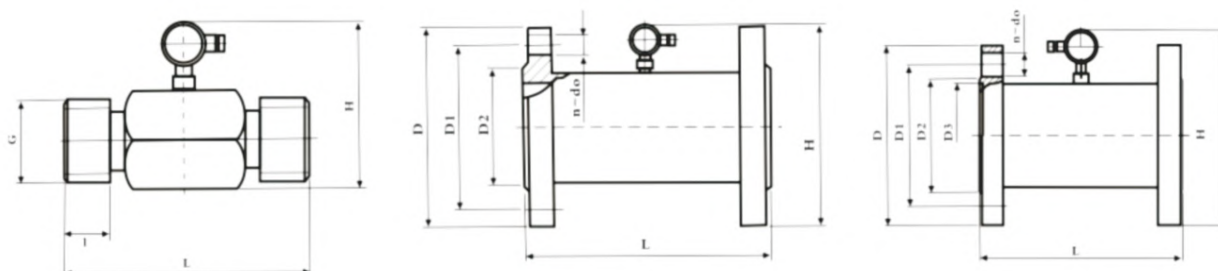
## SPECIFICATION

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Drift diameter        | 4-300mm                                                |
| Max flow              | 10m/s                                                  |
| Output signal         | 4-20mA, HART, RS485(optional)                          |
| Electrical connection | Flange connection, clamp connection, thread connection |
| Accuracy              | 1.0%                                                   |
| Power Supply          | 24VDC(integrated), Battery powered (integrated)        |
| Consumed power        | within 0.5W                                            |
| Nominal pressure      | 10MPa, 6.3MPa, 2.5MPa, 1.6MPa                          |
| Ambient temperature   | -10°C~60°C                                             |
| Flange material       | Stainless steel( 304, 316, 316L)                       |
| Protection grade      | IP65                                                   |

## DRIFT DIAMETER PARAMETER

| Nominal diameter(mm) | Flow Range (m³/h) | Fluid Temperature Range (°C)                    |                      | Nominal Pressure (MPa)                                                                |
|----------------------|-------------------|-------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|
|                      |                   | Integrated                                      | Explosion-proof Type |                                                                                       |
| 10                   | 0.2-1.2           | -10°C~80°C,<br>above 80°C need<br>customization | -20°C~70°C           | ≤DN200 1.6MPa<br>DN250-300 1.0MPa<br>pressure beyond this range need<br>customization |
| 15                   | 0.4-6             |                                                 |                      |                                                                                       |
| 25                   | 1.2-12            |                                                 |                      |                                                                                       |
| 40                   | 3-30              |                                                 |                      |                                                                                       |
| 50                   | 5-50              |                                                 |                      |                                                                                       |
| 80                   | 12-120            |                                                 |                      |                                                                                       |
| 100                  | 20-200            |                                                 |                      |                                                                                       |
| 150                  | 40-400            |                                                 |                      |                                                                                       |
| 200                  | 80-800            |                                                 |                      |                                                                                       |
| 250                  | 120-1200          |                                                 |                      |                                                                                       |
| 300                  |                   |                                                 |                      |                                                                                       |

## DIMENSION IN:MM



ORDER REF NO.

| Code and description |                     |                                   |   |   |   |   |   |   |                 | Type                   |
|----------------------|---------------------|-----------------------------------|---|---|---|---|---|---|-----------------|------------------------|
| LFLWGY               |                     |                                   |   |   |   |   |   |   |                 | Turbine Flowmeter      |
| DN                   | 4...100...300       |                                   |   |   |   |   |   |   |                 | Nominal diameter       |
|                      | 1                   | 1.6                               |   |   |   |   |   |   |                 | Nominal Pressure       |
|                      | 2                   | 2.5                               |   |   |   |   |   |   |                 |                        |
|                      | 3                   | 6.3                               |   |   |   |   |   |   |                 |                        |
|                      | 4                   | 10                                |   |   |   |   |   |   |                 |                        |
|                      | 1                   | Flange connection                 |   |   |   |   |   |   |                 | Pipe Connection Method |
|                      | 2                   | Pipe thread connection            |   |   |   |   |   |   |                 |                        |
|                      | 3                   | Clamp connection                  |   |   |   |   |   |   |                 |                        |
|                      | 1                   | 4~20mA                            |   |   |   |   |   |   |                 | Output Signal          |
|                      | 2                   | RS485                             |   |   |   |   |   |   |                 |                        |
|                      | 3                   | 4~20mA+RS485                      |   |   |   |   |   |   |                 |                        |
|                      | 4                   | HART                              |   |   |   |   |   |   |                 |                        |
|                      | 5                   | no signal output(battery powered) |   |   |   |   |   |   |                 |                        |
|                      | 1                   | Battery powered                   |   |   |   |   |   |   |                 | Power supply           |
|                      | 2                   | 24VDC                             |   |   |   |   |   |   |                 |                        |
|                      | 1                   | -10℃-80℃                          |   |   |   |   |   |   |                 | Fluid Temperature (℃)  |
|                      | 2                   | -10℃-100℃                         |   |   |   |   |   |   |                 |                        |
|                      | 3                   | -10℃-120℃                         |   |   |   |   |   |   |                 |                        |
|                      | 1                   | 304 Stainless steel               |   |   |   |   |   |   |                 | Shell Material         |
|                      | 2                   | 316 Stainless steel               |   |   |   |   |   |   |                 |                        |
|                      | 1                   | Integrated                        |   |   |   |   |   |   |                 | Structure Type         |
| 0                    | Not explosion-proof |                                   |   |   |   |   |   |   | Explosion-proof |                        |
| 1                    | Explosion-proof     |                                   |   |   |   |   |   |   |                 |                        |
| 1                    | 1.0%                |                                   |   |   |   |   |   |   | Accuracy        |                        |
| LFLWGY-DN50          | 3                   | 1                                 | 2 | 1 | 1 | 1 | 1 | 0 | 1               | Selection example      |