

## GAS TURBINE FLOWMETERS

CODE 0924-□□□□□□

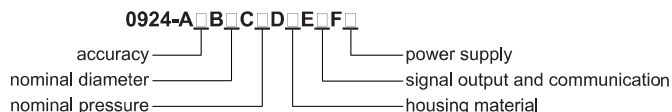
CUSTOMIZABLE

- High accuracy and excellent repeatability, suitable for low-viscosity fluids, solvents, liquefied gases, and high-pressure applications
- Measures and displays total flow, instantaneous flow, and percentage of full scale
- Low pressure drop, compact and lightweight design, easy to install and maintain, and high flow capacity
- Outputs a pulse frequency signal, suitable for totalization, no zero drift and strong resistance to interference
- Features a small-signal cutoff function



0924-A1B6C1D1E1F1

### Code explanation:



### Code example:

|                   |  |
|-------------------|--|
| 0924-A1B6C1D1E1F1 | <b>A1</b> -accuracy: ±1.5%                                 |
|                   | <b>B6</b> -nominal diameter: DN80                          |
|                   | <b>C1</b> -nominal pressure: DIN PN10                      |
|                   | <b>D1</b> -housing material: aluminum alloy                |
|                   | <b>E1</b> -signal output and communication: pulse+4mA~20mA |
|                   | <b>F1</b> -power supply: lithium battery+DC24V (two-wire)  |

### SPECIFICATION

|  |   |
|--|---|
| <b>Applicable medium</b>               | Impurity-free gas at medium to low flow rates                                     |
| <b>Accuracy</b>                        | ±1.5%, ±1.0% (optional)   |
| <b>Nominal diameter</b>                | DN25~DN400  |
| <b>Nominal pressure</b>                | DIN PN10/PN16/PN25/PN40, ANSI 150#/300#, JIS 10K/16K/20K/40K (optional)           |
| <b>Signal output (volumetric flow)</b> | current: 4mA~20mA (active output), pulse (passive output)                         |
| <b>Communication</b>                   | RS485, HART (optional)  |
| <b>Medium temperature</b>              | -10°C~80°C  |
| <b>Connection type</b>                 | flange  |
| <b>Protection grade</b>                | IP65 transmitter+IP65 sensor  |
| <b>Housing material</b>                | aluminum alloy, SUS304 (optional)   |
| <b>Power supply</b>                    | DC24V, 3.6V lithium battery   |
| <b>Operation condition</b>             | temperature: -20°C~60°C, humidity: 5%RH~95%RH, atmospheric pressure: 86kPa~106kPa |

**ACCURACY**

|    |       |
|----|-------|
| A1 | ±1.5% |
| A2 | ±1.0% |

**NOMINAL PRESSURE**

|     |           |
|-----|-----------|
| C1  | DIN PN10  |
| C2  | DIN PN16  |
| C3  | DIN PN25  |
| C4  | DIN PN40  |
| C5  | ANSI 150# |
| C6  | ANSI 300# |
| C7  | JIS 10K   |
| C8  | JIS 16K   |
| C9  | JIS 20K   |
| C10 | JIS 40K   |

**SIGNAL OUTPUT AND COMMUNICATION**

|    |                      |
|----|----------------------|
| E1 | pluse+4mA~20mA       |
| E2 | pluse+4mA~20mA+RS485 |
| E3 | pluse+4mA~20mA+HART  |

**NOMINAL DIAMETER**

|     |       |
|-----|-------|
| B1  | DN25  |
| B2  | DN32  |
| B3  | DN40  |
| B4  | DN50  |
| B5  | DN65  |
| B6  | DN80  |
| B7  | DN100 |
| B8  | DN125 |
| B9  | DN150 |
| B10 | DN200 |
| B11 | DN250 |
| B12 | DN300 |
| B13 | DN350 |
| B14 | DN400 |

**POWER SUPPLY**

|    |                                    |
|----|------------------------------------|
| F1 | lithium battery+DC24V (two-wire)   |
| F2 | lithium battery+DC24V (three-wire) |

**HOUSING MATERIAL**

|    |                |
|----|----------------|
| D1 | aluminum alloy |
| D2 | SUS304         |

**FLOW RANGE**

| Nominal diameter | Flow range (m³/h) | Starting flow (m³/h) | Max. pressure loss (kPa) | Housing material                            |
|------------------|-------------------|----------------------|--------------------------|---|
| DN25             | 5~50              | 1.0                  | 1.0                      | ≤1.6MPa<br>aluminum alloy<br>≥2.0MPa SUS304 |
| DN40             | 6~60              | 1.0                  | 1.0                      |   |
| DN50             | 6.5~65            | 1.3                  | 0.9                      |   |
|                  | 8~100             | 1.6                  | 0.8                      |   |
|                  | 10~160            | 2.4                  | 2.0                      |   |
| DN80             | 8~160             | 2.4                  | 1.0                      |   |
|                  | 13~250            | 3.0                  | 1.6                      |   |
|                  | 20~400            | 5.0                  | 2.0                      |   |
| DN100            | 13~250            | 3.3                  | 1.0                      |   |
|                  | 20~400            | 4.2                  | 1.6                      |   |
|                  | 32~650            | 6.7                  | 1.8                      |   |
| DN150            | 32~650            | 7.8                  | 1.6                      |   |
|                  | 50~1000           | 10                   | 2.0                      |   |
| DN200            | 80~1600           | 12                   | 2.3                      |   |
|                  | 50~1000           | 13                   | 1.6                      |   |
|                  | 80~1600           | 16                   | 2.0                      |   |
| DN250            | 130~2500          | 20                   | 2.2                      |   |
|                  | 80~1600           | 20                   | 1.2                      |   |
| DN300            | 130~2500          | 22                   | 2.0                      |   |
|                  | 200~4000          | 25                   | 2.3                      |   |
|                  | 130~2500          | 22                   | 1.6                      |   |
| DN400            | 200~4000          | 25                   | 2.0                      |   |
|                  | 320~6500          | 35                   | 2.3                      |   |
|                  | 300~2500          | 25                   | 1.8                      |   |
|                  | 500~4000          | 35                   | 2.0                      |   |
| DN400            | 600~8000          | 40                   | 2.3                      |   |
|                  |                   |                      |                          | SUS304                                      |