



## FEATURES

- High pressure resistance
- High and low temperature resistance
- Various viscous media can be measured
- High precision and high repeatability

## APPLICATIONS

- Resin and glue measurement
- Hydraulic oil, lubricating oil and grease measurement
- Fuel oil measurement
- Ink and asphalt measurement

## TECHNICAL SPECIFICATION

|                      |  |
|----------------------|--|
| Nominal Diameter     | ¼ to 4" (DN8-DN100)  |
| Accuracy             | ±0.5% Reading  |
| Normal temperature   | 20°C-80°C  |
| High temp.           | 170°C  |
| Low temp.            | -196°C   |
| Pressure             | 1. 304SS/316L (Stainless steel): <5.0MPa Max 40MPa<br>2. AL6061 (Aluminum alloy): <1.6MPa Max 2.0MPa<br>3. PTFE: <0.6MPa |
| Connection           | Thread; Tri-clamp; Flange  |
| Output Communication | Pulse, 4-20mA  |

## FLOW RANGE SHEET

| Gear Flow Meter L/h |            |               |           |         |
|---------------------|------------|---------------|-----------|---------|
| Model               | Flow range | K coefficient | Interface | Caliber |
| MT-F100GR-02        | 0.6-50     | 11200         | G1/4      | DN8     |
| MT-F100GR-04        | 5-250      | 4780          | G3/8      | DN10    |
| MT-F100GR-06        | 10-500     | 3468          | G1/2      | DN15    |
| MT-F100GR-10        | 20-1200    | 2780          | G1/2      | DN15    |
| MT-F100GR-15        | 200-3000   | 334           | G3/4      | DN20    |
| MT-F100GR-25        | 1000-12000 | 110           | G1        | DN25    |
| MT-F100GR-32        | 2000-20000 | 40            | G1-1/4    | DN32    |

**ORDERING CODES**

| 1. FLOW RANGE |                | 02 |
|---------------|----------------|----|
| 02            | 0.6-50 L/h     |    |
| 04            | 5-250 L/h      |    |
| 06            | 10-500 L/h     |    |
| 10            | 20-1200 L/h    |    |
| 15            | 200-3000 L/h   |    |
| 25            | 1000-12000 L/h |    |
| 32            | 2000-20000 L/h |    |

| 2. SEALING MATERIAL |      | F |
|---------------------|------|---|
| F                   | FKM  |   |
| P                   | PTFE |   |

| 3. CONNECTION MODE |         | 1 |
|--------------------|---------|---|
| 1                  | Thread  |   |
| 2                  | Flange  |   |
| 3                  | Chuck   |   |
| 4                  | Ferrule |   |

| 4. SIGNAL OUTPUT |        | 1 |
|------------------|--------|---|
| 1                | Pulse  |   |
| 2                | 4-20mA |   |
| 3                | RS485  |   |

| 5. MATERIALS |                | 1 |
|--------------|----------------|---|
| 1            | 304SS          |   |
| 2            | Aluminum alloy |   |
| 3            | PP             |   |

**Ordering Example: MT-F100GR-02-F-1-1-1**