

OVAL WHEEL METER SMALL-OI UST



MAIN CHARACTERISTICS

| | |
|----------------------|-------------------------------------------------------------------|
| Product Type: | direct volume meter (Single-Case) |
| Application: | Volume / flow measurement of liquids |
| Measuring accuracy: | up to ± 0.3 % of measured value (optional ± 0.1 %) |
| Ex-approval: | Zone 1 |
| Process temperature: | -60°C up to 180°C |
| Process pressure: | up to 40 bar |
| Housing material: | stainless steel, Brass, Aluminium (Electronic housing) |
| Wetted parts: | stainless steel, Brass |
| Power supply: | 24 VDC (2-wire technology) |
| Output / Display: | 4-20 mA / HART® and pulse output (NAMUR) / LCD-Display |
| Process connection: | Flange acc. to DIN or ANSI, pipe fitting (8 mm / 12 mm) |
| Special features: | no inlet and outlet pipe section required, 10-point linearization |

MEASURING RANGE

These units are designed with plain bearings to guarantee maximum service life and reliability

| Viscosity in mPa·s | | | | 0.3–0.8 | 0.8-2 | 2-50 | 50-150 | 150-350 | 350-1000 |
|--------------------|---------|--------------------------|------------|---------|---------|---------|---------|---------|----------|
| Type | DN | Q _{max} [l/min] | Flow rate | [l/min] | [l/min] | [l/min] | [l/min] | [l/min] | [l/min] |
| OI03 | 6 / 15 | 2 | min | 0.3 | 0.2 | 0.2 | 0.18 | 0.1 | 0.03 |
| | | | Continuous | 1 | 1.3 | 1.8 | 1.8 | 1 | 0.4 |
| | | | max | 1.6 | 2 | 2 | 1.8 | 1 | 0.4 |
| OI06 | 10 / 15 | 4,11 | min | 0.6 | 0.4 | 0.4 | 0.3 | 0.2 | 0.08 |
| | | | Continuous | 2.1 | 2.6 | 1.8 | 3.7 | 2.1 | 0.8 |
| | | | max | 3.3 | 4.1 | 4.1 | 3.7 | 2.1 | 0.8 |
| OI1 | 15 | 10 | min | 1.6 | 1 | 1 | 0.9 | 0.6 | 0.2 |
| | | | Continuous | 5 | 6.6 | 9 | 9 | 6 | 2 |
| | | | max | 8.3 | 10 | 10 | 9 | 6 | 2 |

Further information and product variants are available on request

