

# OVAL WHEEL METER OP 15-50



## MAIN CHARACTERISTICS

|                           |  |
|---------------------------|--|
| Product Type:             | direct volume meter (Double-Case)  |
| Application:              | for flow and volume measurement of liquids of medium viscosity                                   |
| Measuring accuracy:       | up to $\pm 0.3$ % of measured value (optional $\pm 0.15$ %)                                      |
| Ex-approval:              | Zone 1   |
| Process temperature:      | -10°C up to 70°C (AG01), up to 90°C / 110°C (AG19, AG20) up to 170°C with temperature extension  |
| Process pressure:         | up to 40 bar   |
| Housing material:         | stainless steel, cast steel  |
| Wetted parts:             | stainless steel  |
| Power supply:             | none (basic model), NAMUR, 24 VDC  |
| Process supply / Display: | NAMUR pulses (AG19 / AG20), Open collector (AG01) / mechanical Display                           |
| Process connection:       | Flange acc. to DIN or ANSI   |
| Special features:         | very simple operation, works without auxiliary energy, no inlet and outlet pipe section required |

## MEASURING RANGE

| Viscosity in mPa·s |         |                          |            | < 0.3   | 0.3 – 1.5 | 1.5 - 150 | 150-350 | 350-1000 | 1000-3000 |
|--------------------|---------|--------------------------|------------|---------|-----------|-----------|---------|----------|-----------|
| Type               | DN      | Q <sub>max</sub> [l/min] | Flow rate  | [l/min] | [l/min]   | [l/min]   | [l/min] | [l/min]  | [l/min]   |
| OP15               | 15      | 30                       | min        | 4.5     | 5         | 3         | 1.5     | 0.075    | 0.25      |
|                    |         |                          | Continuous | 9       | 19.8      | 19.8      | 15      | 7.5      | 2.5       |
|                    |         |                          | max        | 22.5    | 27        | 27        | 15      | 7.5      | 2.5       |
| OP20               | 20 / 25 | 50                       | min        | 8       | 5         | 5         | 2.5     | 1.25     | 0.45      |
|                    |         |                          | Continuous | 10      | 33        | 33        | 25      | 12.5     | 4.5       |
|                    |         |                          | max        | 40      | 50        | 50        | 25      | 12.5     | 4.5       |
| OP32               | 32      | 100                      | min        | 8       | 10        | 10        | 7       | 3.5      | 1.2       |
|                    |         |                          | Continuous | 16      | 66        | 66        | 70      | 35       | 12        |
|                    |         |                          | max        | 80      | 100       | 100       | 70      | 35       | 12        |
| OP40               | 40      | 150                      | min        | 12      | 15        | 15        | 9       | 4.5      | 1.5       |
|                    |         |                          | Continuous | 24      | 99        | 99        | 90      | 45       | 15        |
|                    |         |                          | max        | 120     | 150       | 150       | 90      | 45       | 15        |
| OP50               | 50      | 150                      | min        | 50      | 30        | 30        | 18      | 9        | 3         |
|                    |         |                          | Continuous | 100     | 198       | 198       | 180     | 90       | 30        |
|                    |         |                          | max        | 250     | 300       | 300       | 180     | 90       | 30        |

## OPTIONS

Pulse pick-up: AG19, AG20, AG01

Mechanical local display: single pointer totalizer E, double pointer totalizer D, mechanical counter M5, mechanical counter volume pre-setting M5V

Further information and product variants are available on request

