

Oval Wheel Flow Meters

Oval wheel flow meters, series VO

- The meters are positive displacement flow meters, oval wheel types
- Measuring the volume flow rate of liquids and liquefied gases
- Developed for the measuring of small flow rates and total flows
- The modular design can be adapted to a wide field of applications
- Very robust design
- High flexibility and adaptability
- High accuracy
- Low installation costs



Oval wheel flow meter applications

Lubricating oil consumption measurement, reliable and economic.

Technical data

Measuring accuracy (Viscosity >3 mPas)	< ±1 % of measured value without calibration < ±0.5 % of measured value with calibration
Repeatability	0,1 % of measured value
Operating temperature	-10 °C ... +70 °C
Nominal pressure	PN 40
Material - housing - oval wheels	Stainless steel, aluminium Stainless steel, PPS
Power supply	With batterie (life-cycle 5 years) or 10...24 VDC
Protection class	IP 67 (blind design) IP 65 (local display)
Output signal	LC display or / and pulses, NPN/PNP open collector or NAMUR

Process connection and measuring range

Type	Process connection	Measuring range [l/min]
VO 03	½" BSP female thread	0.2...2
VO 06	½" BSP female thread	0.5...5
VO 1	½" BSP female thread	1...10
VO 5	1" BSP female thread	5...50
VO 10	1" BSP female thread	10...100