

**NEW**  
**Product Information**

Loading Meter now also available with DN 80 (3") size

## Oval Wheel Meter OV 800

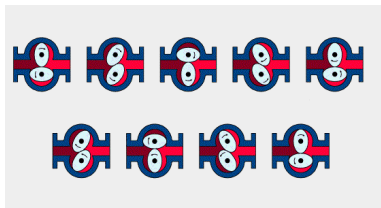
- only two moving parts
- excellent metrological characteristics
- robust design
- 2 - channel volume - proportional direct pulser
- Non - wearing proximity switches with NAMUR power supply acc. to DIN EN 60947-5-6 for simple and reliable signal processing
- Optional electronic temperature compensation

Sensors



### Measuring principle

Oval wheel meters are positive displacement flow meters. The measuring element consists of two precision oval wheels, driven by the fluid. Each revolution of the oval wheels displaces a precisely known volume of liquid through the meter.



The number of revolutions therefore is directly proportional to the measured volume.



### Technical Data

measuring error (accuracy)	$\pm 0,3\%$ to $\pm 0,1\%$ (depending from flow range and liquid)
liquid temperature	-10°C bis +60 °C
nominal size	DN 80 (3")
nominal pressure	PN 40
process connection	DIN 2545, ANSI 150 RF or ANSI 300RF
overall length	550 mm
outputs	NAMUR pulses (4 pulses per liter) II 2 G EEx ia II C T6
degree of protection	IP 67
EG declaration of conformity	NAMUR DIN EN 60947-5-6

### Measuring range

Measuring range	40 to 1500 l/min viscosity related
Viscosity ranges	0,3 to 17 mPas ; 3,5 to 120 mPas

#### METRON Technology

2005 10th Street  
Boulder, Co  
80302-5117

Tel : 303 449 8000  
Fax: 303 443 0949

Internet : [www.metrontechnology.com](http://www.metrontechnology.com)  
eMail : [customerservice@metrontechnology.com](mailto:customerservice@metrontechnology.com)