

# OVAL WHEEL METER OI

## MAIN CHARACTERISTICS



Product Type:	direct volume meter (Single-Case)
Application:	Volume / flow measurement of liquids
Measuring accuracy:	up to $\pm 0.3$ % of measured value (optional $\pm 0.1$ %)
Ex-approval:	Zone 1
Process temperature:	-60°C up to 180°C
Process pressure:	up to 40 bar
Housing material:	stainless steel, cast steel, cast iron
Wetted parts:	stainless steel, cast steel, cast iron
Power supply:	NAMUR, 24 VDC
Process supply / Display:	Mechanical display, pulse output acc. to NAMUR, HART® 4-20 mA
Process connection:	Flange acc. to DIN or ANSI
Special features:	Low pressure loss, no inlet and outlet pipe section required, 10-point linearization

## MEASURING RANGE

Slide bearing

Viscosity in mPa·s				< 0.3	0.3 – 1.5	1.5 - 150	up to 350	up to 1000	up to 3000
Type	DN	Qmax [l/min]	Flow rate	[l/min]	[l/min]	[l/min]	[l/min]	[l/min]	[l/min]
OI5	25	50	min	8	5	5	2.5	1.25	0.45
			Continuous	16	33	33	25	12.5	4.5
			max	40	50	50	25	12.5	4.5
OI10	25	100	min	16	10	10	7	3,5	1.2
			Continuous	33	66	80	70	35	12
			max	80	100	100	70	35	12
OI50	50	300	min	50	30	30	18	9,5	3
			Continuous	100	200	240	180	90	30
			max	250	300	300	180	90	30
OI100	50	660	min	110	66	66	48	24	10
			Continuous	230	440	530	480	240	100
			max	550	660	660	480	240	100
OI200	80	700	min	110	70	70	50	25	12
			Continuous	230	420	525	500	250	120
			max	560	700	700	500	250	120
OI400	100	1200	min	200	120	120	100	60	30
			Continuous	400	720	1000	1000	600	300
			max	1000	1200	1200	1000	600	300

Viscosities up to 100000 mPa·s are possible with ball bearing guide

Further information and product variants are available on request

