

KYTOLA Oval Gear Meter Model 2950 is designed and developed for lubrication oil measurement in demanding industrial environments.

The oval gear meter is a positive displacement flow meter, which always shows the correct flow rate regardless of oil temperature or viscosity changes.



- For oil
- Max 18 USGPM (70 L/min)
- Transparent cover
- Alternative pulse sensors
- G or NPT connections
- Without flow adjustment valve
- ATEX version (II 2GD c TX) as option



ISO 9001 ISO 14001

## OVAL GEAR METER 2950

The flow meter consists of two elliptical gears, which the flow rotates. A coil sensor or an inductive proximity switch picks up the rotation, and the pulse signal can be transferred to indicators, counters or automation systems.

### FEATURES

Several flow ranges

Large viscosity range  
30 – 1000 cSt

Transparent cover provides highly visible oil flow indication

Independent of viscosity changes

Sturdy construction

Pulse output

### TYPICAL APPLICATIONS

Lubricant monitoring

Industrial flow monitoring

Process control

Model	2950-1	2950-3	2950-6	2950-15	2950-30	2950-70
Flow range PPM	0.2 – 3	0.4 – 6	1 – 12			
Flow range USGPM				0.25 – 4	0.5 – 8	1.3 – 18
Flow range L/min	0.1 – 1.5	0.2 – 3	0.5 – 6	1 – 15	2 – 30	5 – 70
Output pulses/pint (pulses/L)	993.7 (2100)	502.5 (1062)	137.2 (290)	60 (126.8)	35.87 (75.8)	10.6 (22.4)
Connections G/NPT	1/4"	1/4"	1/4"	3/4"	3/4"	1"
Body	Aluminium			Bronze; EN 1982		
Gears	Composite polymer			Bronze; EN 1982		
Cover	Polyamide					
Seals	Viton®					
Sensor	NAMUR; EN 60947 (Other types of inductive proximity sensor*)					
Max. pressure	145 psi (10 bar), 290 psi (20 bar)* up to maximum temperature					
Max. temperature	176°F (80°C)					
Viscosity range	30 – 1000 cSt					
Weight lbs (kg)	0.60 (0.27)	0.55 (0.26)	0.61 (0.28)	2.4 (1.1)	2.4 (1.1)	7.4 (3.4)
Accuracy	±5% of reading			* Special construction on request		

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Flow Range			
PPM	USGPM	L/min	
0.2 – 3		0.1 – 1.5	1
0.4 – 6		0.2 – 3	3
1 – 12		0.5 – 6	6
	0.25 – 4	1 – 15	15
	0.5 – 8	2 – 30	30
	1.3 – 18	5 – 70	70

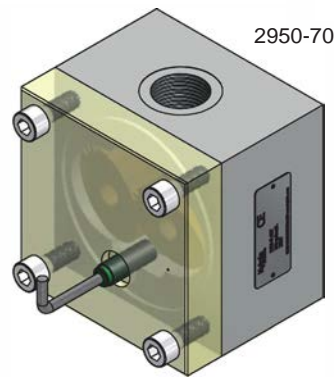
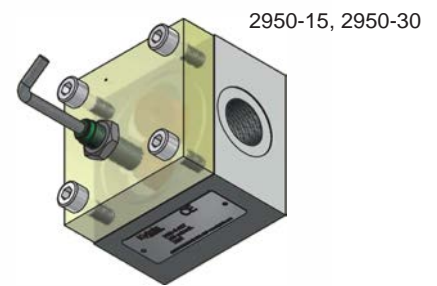
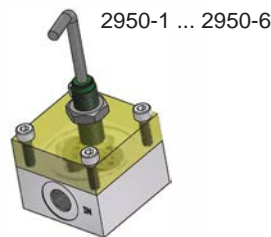
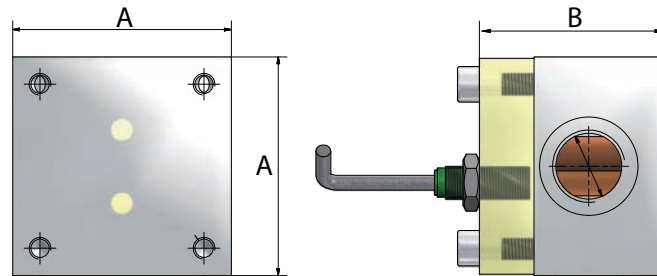
Connections	
G threads	<b>G</b>
NPT threads	<b>N</b>

Sensor	
Coil sensor (compatible with Kytola readout units)	<b>C</b>
NAMUR; EN 60947	<b>A</b>
PNP/NPN (2-wire) 10–55 VDC	<b>F</b>
PNP (3-wire)	<b>P</b>
NPN (3-wire)	<b>T</b>
Without sensor	<b>D</b>

Special Feature	
No ATEX	<i>blank</i>
ATEX version – only with NAMUR sensor, please choose options A and Z	<b>Z</b>

Standard feature: leave *blank*

Model	A	B
2950-1	1.97 (50)	1.61 (41)
2950-3	1.97 (50)	1.61 (41)
2950-6	1.97 (50)	1.85 (47)
2950-15	3.15 (80)	2.64 (67)
2950-30	3.15 (80)	2.64 (67)
2950-70	4.65 (118)	3.82 (97)



NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.