

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 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 L/min	0.1 – 1.5	0.2 – 3	0.5 – 6	1 – 15	2 – 30	5 – 70
Output pulses/L	2100	1062	290	126.8	75.8	22.4
Connections G/NPT	1/4"	1/4"	1/4"	3/4"	3/4"	1"
Body	Aluminium					
Gears	Composite polymer			Bronze; EN 1982		
Cover	Polyamide					
Seals	Viton®					
Sensor	NAMUR; EN 60947 (Other types of inductive proximity sensor*)					
Max. pressure	10 bar (20 bar*)					
Max. temperature	+80°C					
Viscosity range	30 – 1000 cSt					
Weight	0.27 kg	0.26 kg	0.28 kg	1.1 kg	1.1 kg	3.4 kg
Accuracy	±5% of reading					

* Special construction on request

Flow Range L/min	1	3	6	15	30	70
0.1 – 1.5	1					
0.2 – 3		3				
0.5 – 6			6			
1 – 15				15		
2 – 30					30	
5 – 70						70

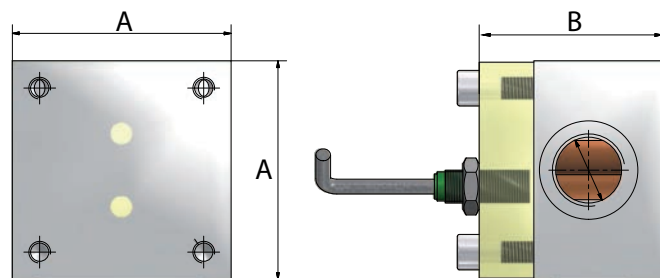
Connections	G	N
G threads	G	
NPT threads		N

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

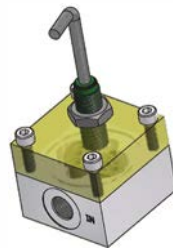
Max. Pressure	blank	7
10 bar (standard)	blank	
20 bar		7

Special Feature	blank	Z
No ATEX (standard)	blank	
ATEX version – only with NAMUR sensor, please choose options A and Z		Z

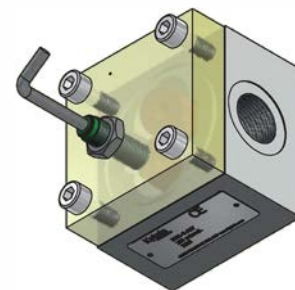
Standard feature: leave blank



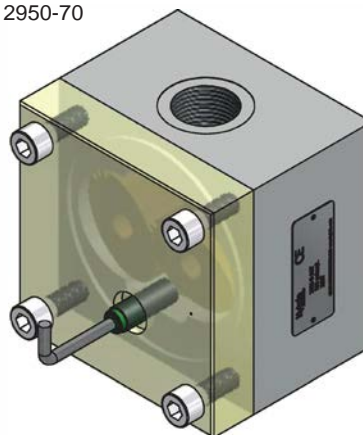
2950-1 ... 2950-6



2950-15, 2950-30



2950-70



Model	A	B
2950-1	50	41
2950-3	50	41
2950-6	50	47
2950-15	80	67
2950-30	80	67
2950-70	118	97