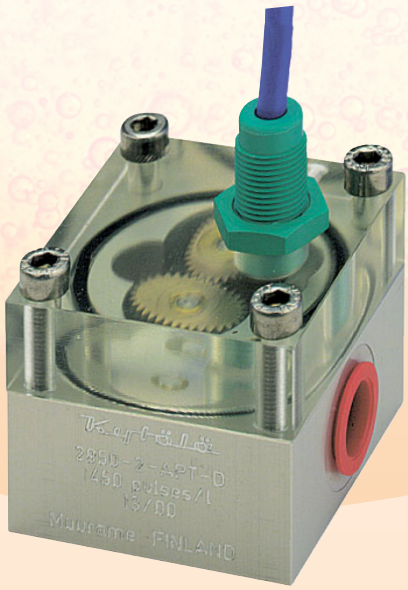
www.kytola.ca

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.



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.

- For oil
- Max 26 USGPM (100 L/min)
- Alternative sensors
- BSP or NPT connections
- Without flow adjustment valve
- ATEX version (II 2GD c TX) as option

FEATURES

Several flow ranges
Large viscosity range 30 – 1000 cSt
Independent of viscosity changes
Sturdy construction
Pulse output

TYPICAL APPLICATIONS

Lubricant monitoring
Industrial flow monitoring
Process control

ISO 9001:2008 ISO 14001:2004

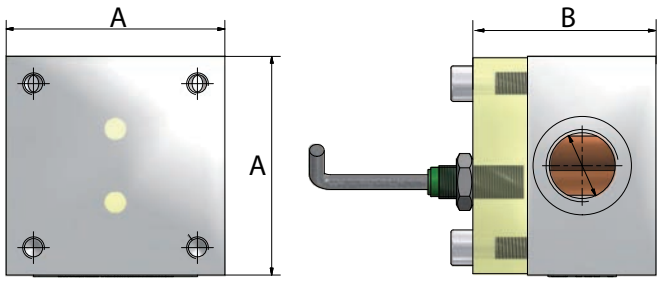
2950 TECHNICAL DATA

Model	2950-1	2950-2.5	2950-5	2950-10	2950-20	2950-30	2950-60	2950-100
Output pulses/pint (L)	388(820)	502.5(1062)	137(290)	60(126.8)	35.9(75.8)	23.6(49.8)	10.6(22.4)	5.87(12.4)
Weight	0.60 lbs 0.27 kg	0.55 lbs 0.26 kg	0.61 lbs 0.28 kg	2.4 lbs 1.1 kg	2.4 lbs 1.1 kg	3.3 lbs 1.5 kg	7.4 lbs 3.4 kg	27 lbs 12 kg
Connections	1/4”	1/4”	1/4”	3/4”	3/4”	3/4”	1”	1 ½”
Gears	Composite polymer or brass (depending on range)							
Body	Aluminium							
Cover	Polyamide							
Seals	Viton®							
Sensor	Namur; DIN 19234 (*Other types of inductive proximity sensor)							
Max. pressure	145 psi (10 bar) up to maximum temperature							
Max. temperature	176°F (80°C)							
Viscosity range	30 – 1000 cSt							
Accuracy	±5% of reading							

* Special construction on request

Model	A	B
2950-1	1.97 (50)	1.61 (41)
2950-2.5	1.97 (50)	1.61 (41)
2950-5	1.97 (50)	1.85 (47)
2950-10	3.15 (80)	2.64 (67)
2950-20	3.15 (80)	2.64 (67)
2950-30	3.15 (80)	3.43 (87)
2950-60	4.65 (118)	3.82 (97)
2950-100	7.83 (199)	4.21 (107)

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



2950– [ ] –A [ ] [ ] – [ ] [ ] [ ]

Flow Range

PPM	L/min	
0.2 – 2.1	0.1 – 1	**1**
0.4 – 5	0.2 – 2.5	**2.5**
1 – 10.5	0.5 – 5	**5**
2 – 21	1 – 10	**10**
4 – 42	2 – 20	**20**
6 – 63	3 – 30	**30**
12 – 127	6 – 60	**60**
21 – 211	10 – 100	**100**

Gears

Composite polymer (2950-1...5)	**K**
Brass (2950-10...100)	**P**

Cover

Polyamide	**T**

Connections

BSP threads	*blank*
NPT threads	**N**

Sensor

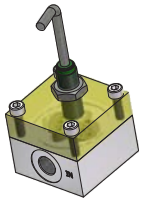
NAMUR sensor	*blank*
Without sensor (M12 x 1 thread)	**D**
PNP/NPN sensor (2-wire)	**F**
PNP sensor (3-wire)	**P**
NPN sensor (3-wire)	**T**
Coil sensor (compatible with Kytola readout units)	**C**

Special Feature

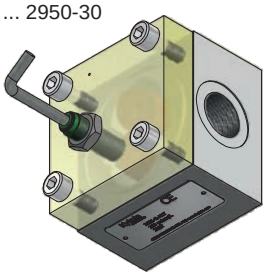
ATEX version – only with NAMUR sensor	**Z**

Standard feature: leave *blank*
Special feature: choose **C**haracter

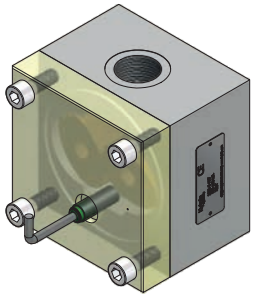
2950-1 ... 2950-5



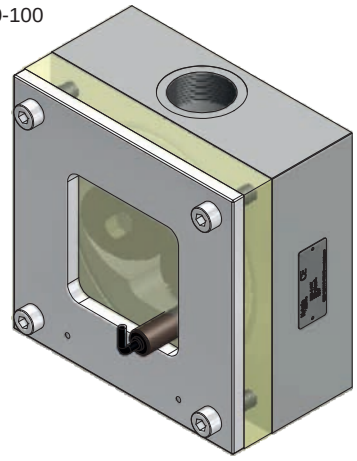
2950-10 ... 2950-30



2950-60



2950-100



Kytola INSTRUMENTS
www.kytola.ca

MANAGEMENT SYSTEM CERTIFICATION DNV·GL ISO 9001= ISO 14001

Kytola Instruments Inc.
900 Old Roswell Lakes Parkway, Suite 120
Roswell, GA 30076, USA
Tel: +1 678 701 3569
Fax: +1 514 448 5151
E-mail: flow@kytola.ca