www.kytola.com

INGENIERIA SCANDIMEX LIMITADA
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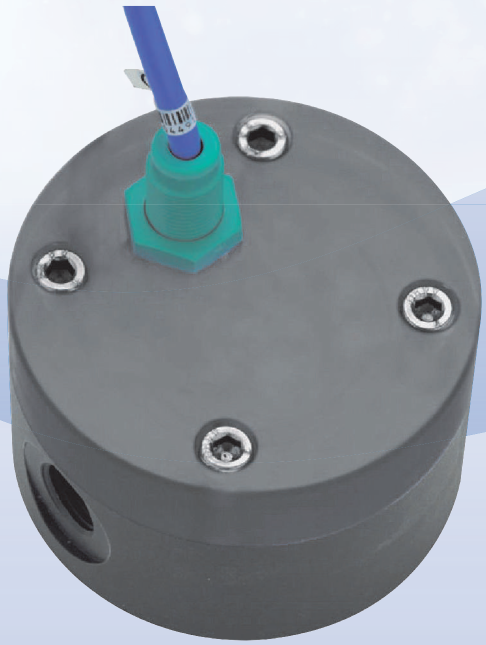
Kytola INSTRUMENTS

KYTOLA Oval Gear Meter Model 6210 is designed for measuring and monitoring of corrosive and viscous liquids.

The model 6210 oval gear meter is a positive displacement flow meter, which always shows the correct flow rate regardless of liquid temperature and viscosity changes.

OVAL GEAR METER
6210



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

- For liquid
- Several flow ranges
- Max. 30 L/min
- Large viscosity range 30 – 1000 cSt
- ATEX version (II 2GD c TX) as option

FEATURES

- Independent of viscosity and temperature changes
- Chemical resistant materials
- Pulse output

TYPICAL APPLICATIONS

- Chemical dosing
- Industrial flow monitoring
- Process control

OPTIONS

- Alternative materials
- Thread adapters
- Alternative sensors

ISO 9001:2008   ISO 14001:2004

6210 TECHNICAL DATA

Model	6210-1	6210-2	6210-4	6210-10	6210-20	6210-30
Output pulses/liter	820	450	290	126.8	75.8	49.8
Weight	330 g	350 g	360 g	930 g	1.0 kg	1.2 kg
Connections	1/4”	1/4”	1/4”	3/4”	3/4”	3/4”
Gears	PVDF					
Body	PVDF or PVC					
Shafts	Hastelloy C					
Seals	Viton® (*EPDM)					
Sensor	Namur; DIN 19234 (*Other types of inductive proximity sensor)					
Max. pressure	10 bar					
Max. temperature	+80°C (PVDF body), +40°C (PVC body)					
Viscosity range	30 – 1000 cSt					
Accuracy	±5 % of reading					

* Special construction on request

6210 □-□-□-□ □ □

Flow Range

0.1 – 1 L/min	1
0.2 – 2 L/min	2
0.4 – 4 L/min	4
1 – 10 L/min	10
2 – 20 L/min	20
3 – 30 L/min	30

Body

PVDF	K
PVC	P

Connections

BSP threads	*blank*
NPT thread adapters	N

Seals

Viton	*blank*
EPDM	Y

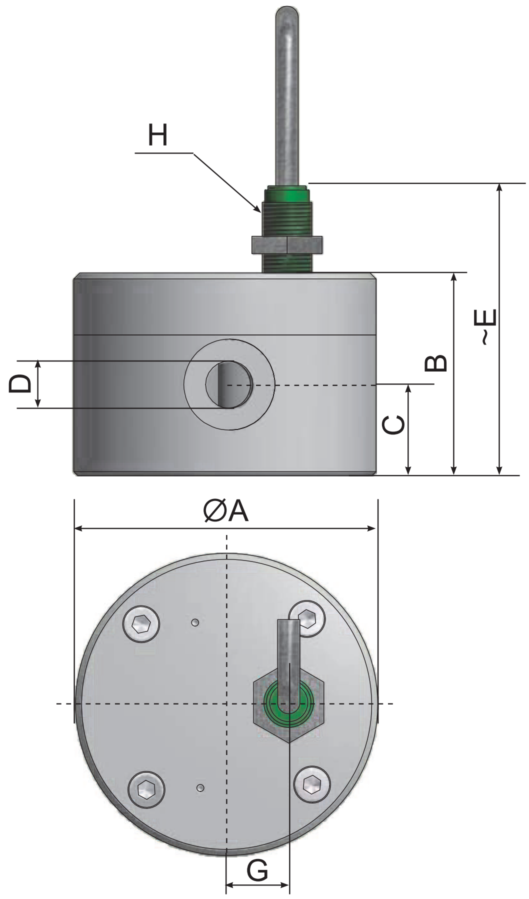
Sensor

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

Special Feature

ATEX version – only with NAMUR sensor	Z

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



	A	B	C	D	E	G	H
6210-1	73	45	18	BSP ¼"	90	15	M12x1
6210-2	73	45	18	BSP ¼"	90	15	M12x1
6210-4	73	49	22	BSP ¼"	94	15	M12x1
6210-10	108	67	27	BSP ¾"	105	25	M12x1
6210-20	108	67	27	BSP ¾"	105	25	M12x1
6210-30	108	87	27	BSP ¾"	125	25	M12x1

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