

The oval gear flow sensor is suitable for measuring viscous liquids like diesel, oil, heavy oil, light oil, heating oil and all compatible liquids.

It is a flow sensor with elliptic gears that measures small flow rates with good accuracy and repeatability.

Amplifier built-in magnetic sensor, which is strong against noise, is output in proportion to the flow velocity.

Measures a wide range of flow rate with high accuracy.



**WIRING**

- red — +Vdc 5 ... 24Vdc
- black — - Vdc / COM
- yellow — NPN pulse output

**DIMENSIONS**



**COMMON FEATURES**

<b>Body material</b>	Aluminum
<b>Gears material</b>	PPS (Ryton®)
<b>Shaft material</b>	Stainless steel AISI304
<b>O-ring material</b>	NBR
<b>Accuracy</b>	±1% F.S.
<b>Pressure</b>	max 10 bar
<b>Temperature</b>	-10...+70°C
<b>Output</b>	pulses NPN
<b>Power supply</b>	4,5...25Vdc max 10mA (5Vdc)
<b>Connection</b>	GX12-3 connector with 100 cm cable

**MODELS**

<b>IMSOG-02</b>	range 0,5...5 l/min   threaded 1/4" BSP female   ± 90 pulses per litre
<b>IMSOG-03</b>	range 0,5...15 l/min   threaded 3/8" BSP female   ± 138 pulses per litre
<b>IMSOG-04</b>	range 0,8...20 l/min   threaded 1/2" BSP female   ± 144 pulses per litre