



standard version threaded 1/2"BSP male



version with hose tails Ø13mm (1/4")

**General features**

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 flows with good accuracy.

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

Measures a wide range of flow rate with high accuracy.

Simple structure due to the elliptic gears employed as a measuring principle.

**TECHNICAL FEATURES**

|                        |  |
|------------------------|--|
| <b>Range</b>           | 5...600 l/h (values may change depending on viscosity)                   |
| <b>Accuracy</b>        | ±2% F.S.   |
| <b>Threaded</b>        | 1/2"BSP male - on request available with hose tails diameter 13mm (1/4") |
| <b>Pressure</b>        | 10 bar   |
| <b>Temperature</b>     | -10...+70°C  |
| <b>Electric Output</b> | pulses NPN - approx 90 ppl / 20 cm 3 wires cable                         |
| <b>Power supply</b>    | 5...24Vdc max 15mA (5Vdc)  |
| <b>Dimensions</b>      | Body 46x46mm – Total Length 85mm   |
| <b>Body material</b>   | PPS – Ryton®   |
| <b>Gears material</b>  | PPS – Ryton®   |
| <b>Shaft material</b>  | Stainless steel AISI304  |
| <b>O-ring material</b> | NBR - Viton on request   |

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|--|--|
| <b>Wiring</b>  | <b>Output</b>                              |
| red ————— +Vdc 5 ... 24Vdc<br>black ————— - Vdc / COM<br>yellow ————— NPN pulse output | NPN square wave<br>90 ±5% pulses per liter |