Product information

Metra-flow OG1 1 L/Min oval gear meter

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall or reed switch sensor
- Accuracy 1.0% FSD water 0.5% FSD oil
- ±0.5% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar
- Non-metalic option

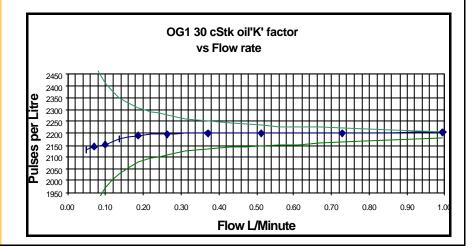
* When used with our metra-smart instrument

Ideal for

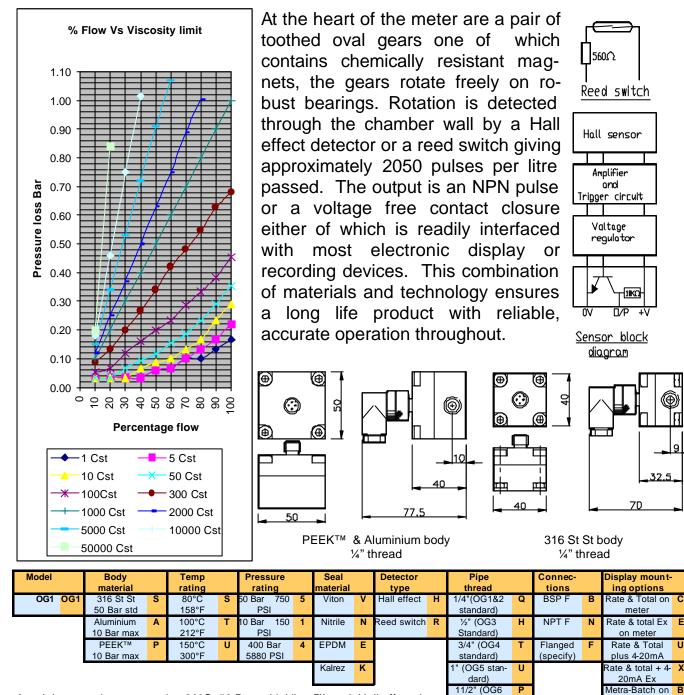
- Engine test
- Oil flow
- High viscosity fluids
- OEM equipment



The compact rugged OG1 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.01 to 1 L/Min on 30 Cstk oil and 0.1 to 1.0 L/min on water like liquids. It can have totally nonmetallic wetted components, PEEK[™], ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are ¼" female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton[™] 'O' ring seal.



Sample product codes ⇔		Stainless standard OG1-SS5-VHQ-B	Aluminium standard OG1-AS1-VHQ-B	PEEK Standard OG1-PS1-VHQ-B
Flow range	- Water	0.1– 1.0 LPM	0.1– 1.0 LPM	0.1– 1.0 LPM
	- 30 cSt Oil	0.01-1.0LPM	0.01-1.0LPM	0.01-1.0LPM
Wetted materials - Body		316 Stainless steel	Aluminium	PEEK™
	- Gears	Carbon filled PEEK™	Carbon filled PEEK [™]	Carbon filled PEEK™
	- Seal	Viton™	Viton™	Viton™
	- Magnet	Ceramic	Ceramic	Ceramic
Accuracy	- Water	± 1.0 % FSD	± 1.0 % FSD	± 1.0 % FSD
	- 30 cSt oil	± 0.75% FSD	± 0.75% FSD	± 0.75% FSD
Repeatability		± 0.1%	± 0.1%	± 0.1%
Detector type		Hall effect	Hall effect	Hall effect
Terminations		M12 instrument socket	M12 instrument socket	M12 instrument socket
Approximate 'K' factor - Pulses/Litre		2050	2050	2050



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meter

Metra-Batch

remote

A stainless steel meter rated at 80°C, 50 Bar, with Viton[™] seal, Hall effect detector and a ¼" BSP thread would have the order code :-OG1-SS5-VHQ-B