



Specialists in flow metering, pumps, couplings and process measurement equipment

# PRODUCT DATASHEET





UK Flowtechnik Ltd 1 Central Park Lenton Lane Nottingham NG7 2NR United Kingdom Phone +44 (0) 11 59 01 71 11 UK Free Phone 0800 4334 770 Fax +44 (0) 11 59 86 88 75

> sales@ukflowtechnik.com www.ukflowtechnik.com

### **OM Small Series Oval Gear Flowmeter**



The FLOMEC® OM Small Capacity Oval Gear Meters have a large flow range and offer the ability to handle a wide range of fluid viscosities with exceptional levels of repeatability.

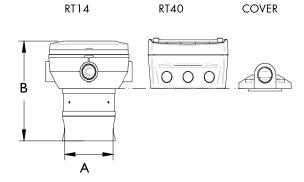
## **Features & Benefits**

- High accuracy and repeatability, direct volumetric reading
- Measures high and low viscosity liquids
- No requirement for flow conditioning (straight pipe runs)
- Stainless Steel rotors (Option PPS rotor for OM008)
- Quadrature pulse output option
- Optional Exd I/IIB approval (ATEX, IECEx)
- Only two moving parts

#### **Technical Data**

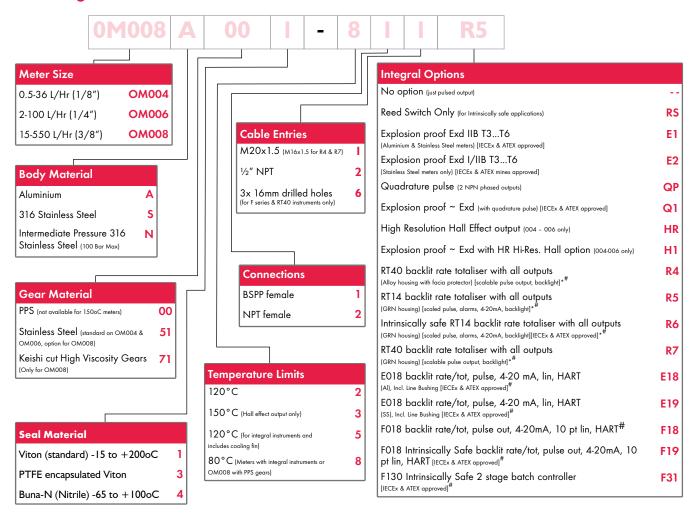
	OM004	OM006	OM008	
Flow Range L/HR	1-36	2-100	15-550	
Connection Size	1/8″	1/4"	3/8″	
Meter Factor Reed Switch (Pulses per litre)	2800	1050	355	
Meter Factor Hall Effect (Pulses per litre)	2800	1050	710	
Meter Factor High Resolution	11,200	4,200	/	
Body Material	Aluminium or 316 Stainless Steel			
Gear Material	Carbon filled PPS or Stainless Steel (OM008 only) with Carbon/Ceramic bearings			
Seals	Viton (standard), options for PTFE encapsulated Viton or Buna-N (Natrile)			
Linearity	+/- 1.0% of reading			
Max Pressure (Bar)	15 Bar (Aluminium), 34 Bar (Stainless Steel), 100 Bar (Intermediate pressure version)			
Max Temperature (°C)	120°C standard, 150° high temperature version, 80°C with directly mounted display and OM008 with PPS gears			
Output	Reed switch (30V, 200 mA max) or Hall effect NPN pulsed output (5-24 Vdc, 20 mA max)			
Options	Explosion Proof, high resolution and directly mounted battery powered displays (ATEX/IECEX versions)			

#### **Dimensional Data**



	004	006	800
A		68	
B (RT14)	122	122	129
B (RT40)	125	125	132
B (cover)	92	92	99

#### **Ordering Information**



 $\#Temp\ code\ 8\ required\ for\ integral\ instruments\ below\ 176°F\ (80°C)$ 

 $<sup>^*</sup>$  Temp code 5 required for integral  $\,$  instruments between 176 °F (80 °C) & 250 °F (120 °C)