OM015 (1/2"), OM025 (1"), **OM040** (1-1/2") and **OM050** (2")



The OM Medium Capacity Oval Gear Meters are great for medium flow ranges and have the ability to handle a wide range of fluid viscosities.

OM Electronic Choices:

Options include electronic LCD totalisers, flowrate totalisers and batch controllers (4-20mA, scaled pulse, alarms and batch control)

- G5 LCD 6-digit reset, cumulative totalizer and flow rate, pulse output
- G6 LCD 6-digit reset, cumulative totalizer and flow rate analog (4-20mA) and pulse outputs
- · G7 Blind analog (4-20mA) output
- · BT11 LCD 5-digit reset, 8-digit cumulative totalizer, pulse outputs
- RT14 LCD 6-digit reset, cumulative totalizer and flow rate, analog and pulse outputs
- RT40 LCD 6-digit reset, cumulative totalizer and flow rate. Backlit Display, pulse outputs
- EB10 LCD 6-digit 2 stage batcher and cumulative totaliser (Available for remote mounting and with I.S. approvals - RT14 and BT11 only)
- E018 ATEX/IECEx EXd, backlit rate/tot, pulse out, 4-20mA, lin, HART (AL), incl. Line Bushsing
- E018 ATEX/IECEx EXd, backlit rate/tot, pulse out, 4-20mA, lin, HART (SS), incl. Line Bushsing
- F018 backlit rate/tot, pulse out, 4-20mA, 10 pt lin, HART
- F018 Intrinsically Safe backlit rate/tot, pulse out, 4-20mA, 10 pt lin,
- . F130 2 Stage batch controller backlit
- F130 2 Intrinsically Safe Stage batch controller backlit

ACCURACY: ±0.5% OF READING

Select Your Body Material:

Aluminum or Stainless Steel

Features and Benefits:

- High accuracy and repeatability, direct volumetric
- No requirement for flow conditioning (straight pipe runs).
- Measures high and low viscosity liquids.
- Quadrature pulse output option and bi-directional flow
- Blind 4-20mA output option
- Optional Exd I/IIB approval (ATEX, IECEx)
- Only two moving parts

	SPECIFICA		OB4040 /4 EW	014050 (6"
Model Prefix	OM015 (1/2")		OM040 (1.5")	OM050 (2"
Nominal size (inches):	1/2" (15mm)	1" (25mm)	1.5" (40mm)	2" (50mm)
*Flow range - (GPM):	0.26 - 10.6	2.6 - 40	4.0 - 66	8 - 120
- (LPM):	1 - 40	10 - 150	15 - 250	30 - 450
**Accuracy @ 3cp:	\pm 0.5% of reading (accuracy is \pm 0.2% of reading with optional RT14 with non-linearity correction)			
Repeatability:	Typically ± 0.03% of reading			
Temperature range:	-4°F - +250°F(-20°C - +120°C), refer factory for lower temperature			
Maximum pressure:	PSI (bar) Threaded Meters			
Aluminium meters:	990 (68)	990 (68)	435 (30)	285 (20)
Intermediate press. AL	-	2000 (138)	-	-
316 stainless steel:	990 (68)	990 (68)	435 (30)	550 (38)
Intermediate press. SS meter:	1450 (100)	1450 (100)	725 (50)	725 (50)
Max. pressure Mech. Meter	PSI (Threaded meters) bar			
Aluminium meters	580 (40)	580 (40)	435 (30)	285 (20)
316 stainless steel	580 (40)	580 (40)	435 (30)	285 (20)
Electrical - for pulse meters (se	ee below for opt	ional outputs)		
Output pulse resolution:	Pulses / gallon (Pulses / litre) - nominal			
Reed switch:	318 (84)	102 (27)	53 (14)	25 (6.5)
Hall effect:	636 (168)	405 (107)	212 (56)	99 (26)
QP-Quadrature Hall option:	636 (168)	204 (54)	106 (28)	49 (13)
Reed switch output:	30Vdc x 200mA max. [maximum thermal shock 18° F (10° C) / minute]			
Hall effect output (NPN):	3 wire open collector, 5-24Vdc max., 20mA max.			
Optional outputs:	4-20mA, scaled pulse, quadrature pulse, flow alarms or two stage batch control			
Physical				
Protection class:	IP66/67 (NEMA4X), optional Exd I / IIB T4/T6, integral ancillaries can be supplied I.S. (intrinsically safe)			
Overall dimensions:	Refer Below			
Recommended filtration:	100 mesh (150 microns)			

- guide. Max. recommanded pressure drop is 100Kpa. (15 psi)
- ** Accuracy ± 1% of reading with M Series mechanical registers and accuracy ± 0.5% of reading with V-series mechanical register.

