


# OME series

Low flow positive displacement economic flowmeter in aluminium				
Model Type		Flow Rate Range	Pressure Drop (50cSt Fluid)	Pulses per litre**
OME13/BEG56		0 to 10 l/min	0.8 bar @ 5 l/min, 1.8bar @ 10 l/min	1214
OME20/BEG56		0 to 30 l/min	0.8 bar @ 15 l/min, 1.6bar @ 30 l/min	321
OME32/BEG56		0 to 100 l/min	0.8 bar @ 50 l/min, 1.8bar @ 100 l/min	78
	Pressure Rating	Connections	Dimensions (Without sensor)	Weight
OMK13/BEG56	40 bar	½" BSP female threaded	45mm x 45mm sq x 110mm long	0.7 kg
OMK20/BEG56	40 bar	¾" BSP female threaded	55mm x 55mm sq x 145mm long	1.1 kg
OMK32/BEG56	40 bar	1" BSP female threaded	70mm x 70mm sq x 200mm long	2.7 kg

Common Features:	Flow Rate Range	Over-range by 50% providing fluid is lubricating and pressure drop is less than 5bar – call factory for details.	
	Operating Temperature range	-20°C to +100°C	
	Viscosity Range	1 cPs and higher	
	Accuracy range	2cSt	±0.1% Actual (12% to 125% of range), ±0.3% Actual (6% to 12%), ±1% Actual (1% to 6%)*
		20cSt	±0.1% Actual (6% to 150% of range), ±0.3% Actual (3% to 6%), ±1% Actual (1% to 3%)*
		200cSt	±0.1% Actual (3% to 150% of range), ±0.3% Actual (2% to 3%), ±1% Actual (1% to 2%)*
	Repeatability	±0.01% Reading*, calibrated over 4% to 100% of range	
Output	PNP pulse output, 3m flying lead		
Power Supply	Accepts 10 to 30 Vdc		
Materials of construction	Body	Anodised Aluminium (3.0615)	
	Spindles	Nitrated steel (1.0737)	
	O Rings	FPM	
	Bearings	Roller bearings (roller bearing steel) with metal cage	
	Sensor wetted Materials	None	
	Recommended Filtration	100 Micron filter located upstream of meter	
Options:	Temperature/Pressure	Higher ratings available in alternate styles. BEG48 enables higher operating temperatures – consult factory for details	
	Output	Namur	
	Hazardous Area Version	BEG 47C Sensor available at extra cost to EEx ia IIC T6 (-20 to +75°C) (Namur).	
	Display	Flow rate and total indicator mounted on meter with 4-20mA and pulse output. Also EEx ia & Exd	
	Connections	DIN flange. SAE, ANSI flange and NPT available.	
Documentation			
Operating and Maintenance Manuals	OIO 15en (Sensor BEG56 OIO 05en)		
* for a factory calibration on a low viscosity (4.8 cSt) fluid, within standard viscosity range			

## Flowmeter Specification Sheet