

IN-LINE OIL FLOW METERS

Fluid Handling RFQ Form

Electronic oil meter - 1/2" BSP/NPT

In-line oval gear meter with electronic register designed to accurately measure lubricating oils. Flow rate up to 30L/min (8 US gal/min), with an accuracy of +/- 0.5% of reading and a maximum pressure rating up to 6,900 kPa (1,000psi). The meter has a large LC display with both batch and cumulative totals. Fitted with either 1/2" BSP / NPT(F) ports.



Accuracy +/- 0.5% of reading

Large display

1/2" BSP or NPT Ports

Resettable batch total

Non resettable accumulative total



Features & Benefits

- In-line oval gear technology meters offer accurate fluid measurements for most oil applications.
- Digital display showing both cumulative & push-button reset batch totals and rate-of-flow display
- Flow rate up to 30L/min (8 US gal/min) with up to SAE140 viscosity

Value Proposition

Economic, accurate and reliable electronic flow meter.

Technical Specifications

- Accuracy: + / - 0.5% of Reading
- Type: Oval Gear
- Flowrate: 1 Ltr -30 Ltr (0.26 - 8 US Gal) per minute
- Maximum Pressure: 6900kPa / 1000psi / 69 Bar
- Suitable for use with: Engine Oil, Diesel Oil, Automatic Transmission Fluid, Ethelene Glycol Based Anti-Freeze / Anti-Boil mixture (Max 50% water)
- Connections: 1/2" NPT
- Maximum Temperature: 55 deg C (131 deg F)
- Maximum Viscosity: 1000cP (Centipoise)
- Re-settable 'Batch' Total: 99999.9
- Non-Resettable Total: 999999

Applications:

In-line oil monitoring applications, Add to non-metered hose end oil guns, Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains

In-line oil meters

2
YEARS
MACNAUGHT
WARRANTY*



IM012E-02



IM019E-02



IM012M-02



IM012P-02



IM019P-02

	IM012M-02	IM012E-02	IM012P-02	IM019E-02	IM019P-02
Flow range	1-30 L(0.26-8gal)/min	1-30 L(0.26-8gal)/min	1-30 L(0.26-8gal)/min	3 - 80L(0.8-21gal)/min	3 - 80L(0.8-21gal)/min
Meter / register	Oval gear / Mechanical	Oval gear / Digital	Oval gear / Pulse output	Oval gear / Digital	Oval gear / Pulse output
Accuracy (flow rate)	+/- 1% (lube oils)	+/- 0.5% (lube oils)	+/- 0.5% (lube oils)	+/- 0.5% (lube oils)	+/- 0.5% (lube oils)
Features	4-digit resettable batch totaliser 7-digit accumulative totaliser	6-digit digital display resettable batch totaliser flow rate mode	Pulse output model includes 1m fly lead either reed switch and/or hall effect sensor	6-digit digital display resettable and non resettable totals flow rate mode	Pulse output model includes 1m fly lead either reed switch and/or hall effect sensor
Protective shroud	✓	✓	✓	✓	✓
Inlet port	1/2" NPT (F)	1/2" NPT (F)	1/2" NPT (F)	3/4" NPT (F)	3/4" NPT (F)
Outlet port	1/2" NPT (F)	1/2" NPT (F)	1/2" NPT (F)	3/4" NPT (F)	3/4" NPT (F)
Fully serviceable	✓	✓	✓	✓	✓
Warranty¹	2 years	2 years	2 years	2 years	2 years
Parts guarantee²	10 years	10 years	10 years	10 years	10 years
Compatible fluids	oils up to SAE140, automatic trans fluid, engine oil, gear oil, hydraulic oil, coolant, diesel, kerosene				

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.

BSP models available

For more information visit macnaughtusa.com