

## LM OG series

For the measurement of lubricants in non-custody transfer applications



### Features

- Rugged construction
- Easy battery exchange

### Description

The LM OG line is of modular design. The basic meter LM OG is an oval gear meter suitable for wall-mounting in oil lines, cabinets or field mounting. Two precision oval gears are mounted in a aluminium housing. The electronic, 2-line register is controlled by wetted magnets. Robustness, easy handling and maintenance are features of the meter series. The electronic unit is shockproof and insulated against oil.

### Applications

Dispense measurement of lubricants in non approved applications (repairs and workshop).

Typical liquids measured are Petroleum products and automatic transmission oil.

### Technical data

Size	DN 1/2"
Flow range	1 to 35 l/min
Accuracy*	±0,5%
Viscosity	8 to 5000 mPas
Nominal pressure	PN 100 bar
Operation pressure	min. 0,35 bar
Operation temperature	-10 to +50°C
Display	LCD, 5 digits
Protection class	IP 65

\*Tested with motor oil Mobil DTE 25

### Operation

Each rotation of the oval gears displaces a given volume of fluid. Controlled manufacturing tolerances ensure exact clearances between gears and chamber wall guarantying minimum of leakage. A magnet on each end of the gears activates the reed switch on the circuit board. Depending on the viscosity, the accuracy can be adjusted upon the calibration factor.

### CAUTION

The use of meters in applications other than those described in this material may result in inaccuracy and possible meter failure. This meter is designed for petroleum-based products. It is also important that fluids be properly filtered before entering the meter. Foreign particles will cause inaccuracy as well as possible malfunction of the meter. Warranties are void in the circumstances described above.