

### Approved lube meter with handle, outlet and swivel for custody transfer

#### General description

The OG line is of modular design. The basic meter is an oval gear meter with an integrated handle with swivel and 30° rigid fixed nozzle for the approved dispense of oil. Two precision oval gears are mounted in a powder-coated aluminium housing. The electronic 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. The meter is in accordance with the PTB requirements for the dispense of lubricants.



#### Applications

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

Typical liquids measured are Petroleum products from SAE 5 to 50, automatic transmission oil SAE 80 bis 240.

#### 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.

#### Technical data

Size	DN 1/2"
Flow range	1 to 10 l/min
Accuracy*	±0,3%
Nominal pressure	PN 16 bar (70)
Operating pressure	min. 0,35 bar
Operating temperature	-10 to +50°C
Viscosity	8 to 2000 mPas
Register	LCD, 5 digits
Weight	1,413 kg

\*Tested with Mobil oil DTE 25

LM OG-CNDA-engl.doc 06/01