



LM OG-K series

Meter for the measurement of special fluids in non custody transfer applications

DESCRIPTION

The LM OG line is of modular design. The basic meter 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 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.

FEATURES

- For water-based fluids
- For brake fluids
- Easy to use
- Rugged
- Ergonomical
- 2-line display
- Easy battery exchange
- Long working life

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.

APPLICATIONS

Dispense measurement of special fluids like brake fluids, water based and other fluids in non approved applications (repairs and workshop).



TECHNICAL DATA

Size	DN 1/2"
Flow range	1 to 35 l/min
Accuracy*	±0,5%
Viscosity	8 bis 5000 mPas
Nominal pressure	inline meter: 100 bar, hose end meter: 70 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

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.

