

## DESCRIPTION

The meters are of modular design and have been designed as inline meters and hose end meters for wall-mounting in oil lines. They are best suited for consumption measurements of lubricants in repair centers. The electronic register is controlled by wetted magnets. Robustness, easy handling and easy maintenance are features of the meter series. The electronic unit is shockproof and insulated against oil ingress.

An internal datalogger stores up to 500 dispenses in sequence with date and time. Pressing the RESET button will memorize the dispense (only  $\geq 0,50L$ ). It is possible to browse through the stored dispenses by date, time or quantity.

## 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.

## ⚠ DANGER

**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.**

## APPLICATIONS

Dispense measurement of lubricants in applications according to OIML R117-1 (repairs and workshop). Typical liquids measured are Petroleum products and automatic transmission oil.



## TECHNICAL DATA

Register	
<b>Display</b>	6-digit LCD display, segment test
<b>Digit size</b>	12 mm
<b>Resolution</b>	0,005 l
<b>Totalizer</b>	99999 l
<b>Max. batch</b>	999,999 l > 9999,99 l
<b>Lithium battery</b>	3 VDC
<b>Pulses detection</b>	2 x 100 PPL, 90° phase-shift
<b>Dimensions</b>	Ø101mm H70mm
Phase sequence control	
Microprocessor controlled	
Datalogger for 500 dispenses	
Measuring unit	
Oval gear meter. Magnetic coupling. Powder coated aluminium housing	
<b>Flow range</b>	1-10 l/min
<b>Viscosity range</b>	8-2000 mPas
<b>Nominal pressure</b>	100 bar inline meter, 70 bar hose end meter
<b>Pressure drop</b>	0,35 bar with DTE25
<b>Operating temperature</b>	-10°C to +50° C
<b>Accuracy</b>	±0,3%
<b>Total weight</b>	0,7 kg
<b>Protection class</b>	IP 65

**Control. Manage. Optimize.**

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