

The **European Directive 2014/32/EU**, better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to fiscal verification.

The **MID MI-005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, particularly lubricant oils.

The Flexbimec oil flow meter series **MID MI-005** complies with metrological standards and requirements concerning accuracy as defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



Oil



Art.no. **2545**

Electronic oval gears flow meter for oil, approved for fiscal transactions **according to MID MI-005, Directive 2014/32/EU**, with control dispensing nozzle, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, \varnothing 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

This flow meter entirely meets the requirements of the **OIML R117-1** (Dynamic measuring systems for liquids other than water) and **Welmec 7.2** software guide, 2018.

OPERATING CONDITIONS FOR THE USE	
Viscosity range of lubricants	Automotive lubricant oil
Flow range	0.5 – 10 l/min
Min. measurable quantity	0.5 l
Accuracy class	0.5 (MID MI-005 – OIML R117-1)
Operating temperature range	+ 5°C / + 40°C
Working pressure range	1 – 20 bar
Display resolution degree	0.005 l
Mechanical environment category	M1
Electromagnetic environment category	E2
Checksum code	cksum E57E
Protection class	IP 64
Underlying CE directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 dispenses
Composition of storable single operations data	<ul style="list-style-type: none"> • Serial number of single dispense • Year of dispense • Month and day of dispense • Time of dispense • Dispensed quantity of single operation • Absolute total of dispensed quantities

Conformity assessment Art. 17 modules **B+D**



EU type approval certificate MID 89_B_1 - rev. 0