



LM OG-TAERM

For the measurement of lubricants with electronical pulse transmitter according to OIML R117-1



MID approval acc. to OIML R117-1

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.

Applications

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

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.

Pulse output

The NPN pulse output will be scaled based on the entered correction factor. There are two versions available.

MDS2000 Output channel 2.2k pull down resistor
OTHER SYSTEM Output channel 1.2k pull up resistor

Technical data

Register	
Display	6-digit LCD display, segment test
Digit size	12 mm
Resolution	0,005 l
Totalizer	99999 l
Max. batch	999,999 > 9999,99 l
Lithium battery	3 VDC
Pulses output	2 x 100 PPL, 90° phase-shift
Open collector	NPN, 1,2A 60VDC
Correction factor	0,0001 to 9,9999
Dimensions	Ø101mm H70mm
Phase sequence control	
Microprocessor controlled, electronic pulse output	
Data logger for 500 dispenses	
Measuring unit	
Oval gear meter. Magnetic coupling.	
Powder coated aluminium housing	
Flow range	1-10 l/min
Nominal pressure	100 bar max.
Pressure drop	0,35 bar (DTE 25)
Operating temperature	-10°C to +50° C
Accuracy	± 0,3%
Total weight	0,7 kg
Protection class	IP 42

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.

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395) 279-98-46

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саратов (845)249-38-78
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (772)734-952-31

Таджикистан (992)427-82-92-69

Эл. почта bdg@nt-rt.ru || Сайт: <http://badger.nt-rt.ru>