Technical data

Electrical oil level indicators

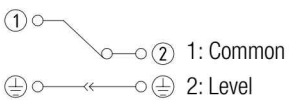
LEM is a range of electrical fluid level indicators for monitoring of the fluid level into the tank. They are directly fitted on the tank.
The float moves through the rod while the fluid level changes.
A magnet, fitted into the float, turns a reed sensor fixed into the rod.
The setting point is adjustable on site, with few easy actions.

Available features:
- Flanged connections
- Adjustable size on request, to meet every size of tank
- 1 float, to monitor the minimum level or the maximum level
- Integrated thermostat, to get a remote monitoring of the temperature.

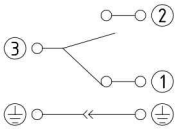
Common applications:
- Hydraulic systems
- Mobile machines
- Industrial equipment

Electrical symbol:

LEM 1 Float



LEM 2 Floats with thermostat



Note: to invert the contact status from NC to NO and vice versa, simply invert the float.

Materials
- Flange/Threaded body: Aluminium
- Tube: Brass
- Float: Nylon foam
- O-Ring: NBR
- Circlip: Phosphor bronze
- Float contact: N.C. reed, N.O. (on request)
- Thermostat contact: N.O., N.C. (on request)

Electrical data
- Protection rating: IP65
- Max switching capacity: 80 W
- Max switching current: 1 A
- Max switching voltage: 250 Vac
- Fluid specific gravity: > 0.75

Temperature
From -15 °C to + 80 °C

Weight
LEM 0.406 kg

Designation & Ordering code

LEM

Configuration example: LEM | A | 1000 | 1 | A | 1 | A | F | S | 60 | P01

Series
LEM

Tube material
A Brass

Length
500 | **1000**

Number of floats
1 Nr. 1 float

Float material
A Nylon foam

Electrical switch
1 N.C. (Normally Closed)

Seals
A NBR

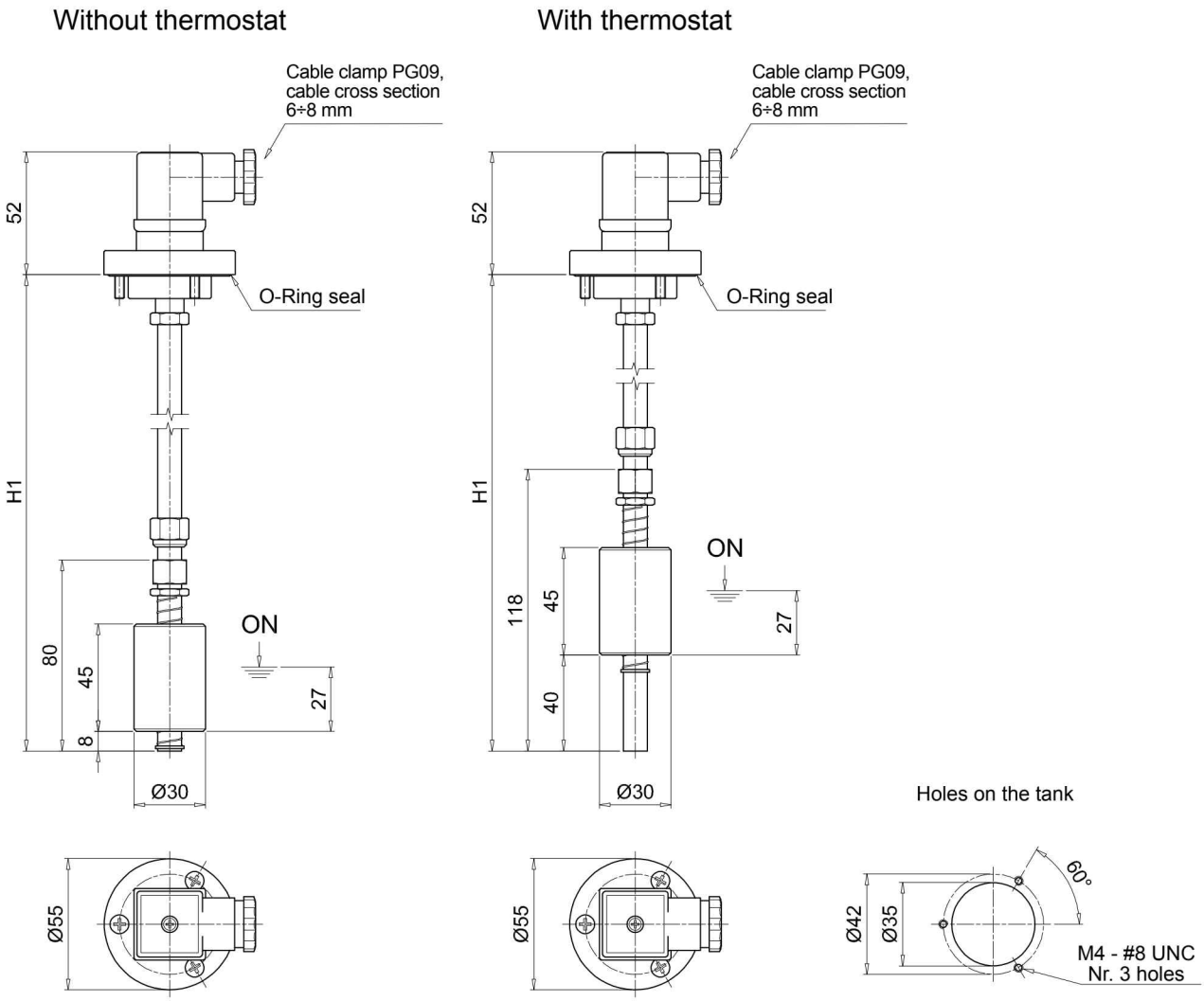
Connections to the tank
F Nr. 3 holes flange

Electrical connection
S DIN 43650 connector

Thermostat setting
00 Without thermostat
60 60°C N.O. (Normally Open)

Execution
P01 MP Filtri standard
Pxx Customized

LEM	
Length	**H1 [mm]**
500	500
1000	1000



Optional

DIN 43650 CONNECTOR

Materials
- Flange: aluminum
- Rod: brass
- Float: nylon foam
- Seals: A= NBR - V= FPM

Temperature
From -15 °C to +80 °C

For temperatures outside this range, contact MP Filtri Technical and Sales Department