

MOLLET GmbH
Füllstandtechnik



Membrane **MF**
level indicator

Membrane level indicator

As occasion demands, the level indicators **type MF** can be used as full, empty or demand indicator for bulk goods.

This indicators are detecting the filling level in silos, containers, discharge pipes and vessels. They can be used as jam indicator at drains of screw conveyors, feeders and also at the input

and output facilities of elevators. They are qualified for dusty, powdery and granulated as well as grained bulk goods in any mounting position.

Membrane level indicators guarantee an absolute reliability and safe function, even under extreme conditions.

Function principle

Utilisation of the bulk goods gravity. As the bulk goods touch the membrane, a pressure will be caused at the membrane. A signal switch registers this pressure and interprets it.

Suitable for all industrial fields.

MFB

Grain size up to 100 mm
Bulk density from 0.3 t/m³ up to 2.5 t/m³



Materials

housing: aluminium
membrane: NBR, Viton or 304
mounting ring: aluminium or 304

Bulk temperature -20 °C ... +200 °C

Ambient temperature -20 °C ... +80 °C

Signal contact change-over contact, potentialfree

Capacity of the contact 4 A / 250 V AC

Sensitivity 100 g ... 500 g (adjustable)

Type of protection

Standard IP53 (DIN EN 60529)
with 304 membrane IP65 (DIN EN 60529)

Maintenance no maintenance necessary

MFD

Grain size up to 30 mm
Bulk density from 0.3 t/m³ up to 2.5 t/m³



Materials

housing: GRP
membrane: NBR or Viton
mounting ring: steel, galvanized or 304

Temperature range -20 °C ... +70 °C

Signal contact change-over contact, potentialfree

Capacity of the contact 4 A / 250 V AC

Sensitivity 60 g ... 200 g (adjustable)

Type of protection

Standard IP65 (DIN EN 60529)

Maintenance no maintenance necessary

MFE

Grain size up to 30 mm
Bulk density from 0.3 t/m³ up to 2.5 t/m³



Materials

housing: GRP or aluminium
membrane: NBR, Viton or 304
mounting ring: steel, galvanized or 304

Temperature range GRP housing -20 °C ... +60 °C
alu housing -25 °C ... +80 °C

Signal contact change-over contact, potentialfree

Capacity of the contact 4 A / 250 V AC

Sensitivity 60 g ... 200 g (adjustable)

Type of protection

Standard IP53 (DIN EN 60529)

with 304 membrane IP65 (DIN EN 60529)

with alu housing IP65 (DIN EN 60529)


Maintenance no maintenance necessary

ATEX - Options

Ex types of protection for

MFB and MFD:  II 3/3D IP65 T 80 °C

MFE:  II 1/3D IP65 T 63 °C

 II 1/2D IP66 T 83 °C and II 2G EEx ia IIC T6
also for hybrid mixtures

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