

## Level measurement

Guided wave radar **MOLOS**  
wave 1

Yo-Yo sensing systems **MOLOS**  
bob 2

Visualization **MOLOS**  
visu 3

Rotation **MOLOS**  
roto 4

Membrane **MOLOS**  
membran 5

## Level indicator

Vibration **MOLOS**  
vibro 6

Microwave barrier **MOLOS**  
barrier 7

Pendulum **MOLOS**  
pendu 8

Coding **MOLOS**  
code 9

## Hose couplings

Limit switch **MOLOS**  
switch 10

Swivelling lever **MOLOS**  
swing 11

Lockable couplings **MOLOS**  
lock 12

Overload protection **MOLOS**  
safe 13

Silo filling device **MOLOS**  
safe 14

## Bulk solids handling

Pressure device **MOLOS**  
pressdec 15

Microwave flow sensor **MOLOS**  
flow 16

Pinch valves **MOLOS**  
valve 17

**MOLOS**  
barrier

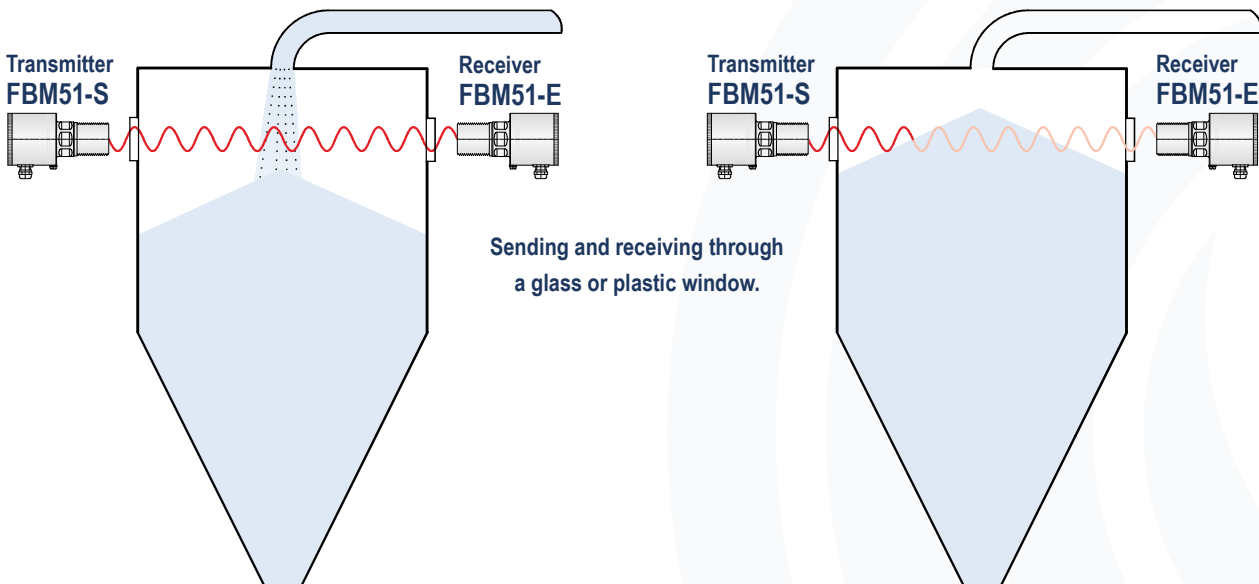


**Advantages of the microwave barrier:**

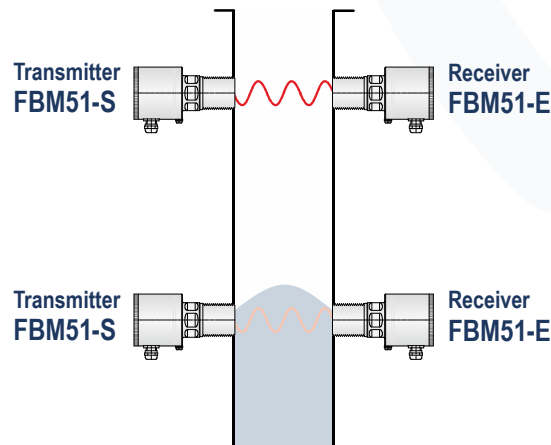
- Full, empty or demand indicator for dangerous bulk solids too
- Reliable level indication for many applications
- Microwave measuring system with variable transmission frequency
- Easy installation and commissioning
- Transmitter and receiver with active self-monitoring

**Contactless limit level switch for bulk solids.**

**Silos and bins**



**Jam or level indication in outlet tubes.**



## Selection list

# FBM51

## Microwave barrier

Limit switch  
for bulk solids

ATEX option B9

**Dust**  II 3D Ex tc IIIC T95 °C Dc

## Basic devices

### Choice of options

Microwave transmitter FBM51-S and receiver FBM51-E

A1 2 housings stainless steel 1.4301 / 304 .....

#### Certifications, certificates, approvals

B0 **Standard** = CE conform and IP65 .....

B9 ATEX  II 3D Ex tc IIIC T95°C Dc **Dust** ..... on request

Further approvals ..... on request

#### Supply voltage

C5 18 V DC ... 30 V DC .....

#### Process temperature / $T_{(Process)}$

E0 -20°C ... +90°C .....

#### Container pressure / $p_{(Process)}$

P0 **Standard** = 0 bar ... 2 bar .....

P2 0 bar ... 25 bar (only with ceramic sensor surface) ..... on request


#### Additional equipment

S0 **Standard** = PTFE sensor surface .....

S1 Ceramic sensor surface ..... on request

#### Process connection

G3 G1½ DIN/ISO 228, stainless steel 1.4301 / 304 .....

FBM51 | A1 |  | C5 | E0 | | | G3 ← Order code

# FBM51

## Accessories

### Choice of accessories

MK3ST Welding socket short, steel .....

MK3V4 Welding socket short, stainless steel 1.4571 / 316 Ti .....

ML3ST Welding socket long, steel .....

ML3V4 Welding socket long, stainless steel 1.4571 / 316 Ti .....

K-SZIG2 DRG-PT DRG thread flat seal ring, PTFE (white) .....

