

Electromechanical Level measurement Silopilot FMM20

Basic model for continuous level measurement
in light bulk solids



More information and current pricing:

www.mesc.endress.com/FMM20

Benefits:

- Tried and tested, reliable measurement of light bulk solids, e.g. cereals, plastic granulate, powder
- Safe measurements in extremely dusty environments
- Fully electronic digital minimum fail-safe control, therefore no running down of the sensor weight into the silo outlet and no risk to the conveying systems
- Quick menu-guided local operation using a 4-line text display
- Supply voltage 90 to 253VAC (wide-range voltage power unit) as well as 24VDC, depending on version selected

Specs at a glance

- **Accuracy** +/- 2.5 cm (0.98")
- **Process temperature** -20°C ... +150°C (-4°F...302°F)
- **Process pressure absolute / max. overpressure limit** 0.8 ... 1.1 bar (11.6psi...15.95psi)
- **Max. measurement distance** 32m (105ft)
- **Main wetted parts** Aluminium, Steel, Stainless steel

Field of application: Silopilot FMM20 is a low cost device for electromechanical level measurement in bins or silos with dusty, fine-grained or coarse grained bulk solids or in tanks with liquids.

Features and specifications

Continuous / Solids

Measuring principle

Electromechanical

Characteristic / Application

Not affected by characteristics of solid medium

Measuring range: 32m

Specialities

Switch to indicate need of maintenance (predictive maintenance)

Supply / Communication

90... 253V, 50/60Hz

20 - 28 VDC

Accuracy

+/- 2.5 cm (0.98")

Ambient temperature

-40°C ... +60°C

(-40°F...140°F)

Process temperature

-20°C ... +150°C

(-4°F...302°F)

Process pressure absolute / max. overpressure limit

0.8 ... 1.1 bar

(11.6psi...15.95psi)

Main wetted parts

Aluminium, Steel, Stainless steel

Process connection

Flange DN100 PN16 / 4"

Blocking distance

Top: 500mm (20")

Continuous / Solids

Max. measurement distance

32m (105ft)

Communication

0/4...20 mA

Certificates / Approvals

ATEX

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