Electromechanical Level measurement
Silopilot FMM20

Basic model for continuous level measurement in light bulk solids

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 / max. overpressure limit** 0.8 ... 1.1 bar abs. (11.6psi ...15.95psi abs.)
- **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
Mesuring 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 / max. overpressure limit**
0.8 ... 1.1 bar abs.
(11.6psi ...15.95psi abs.)

**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

More information [www.endress.com/FMM20](http://www.endress.com/FMM20)