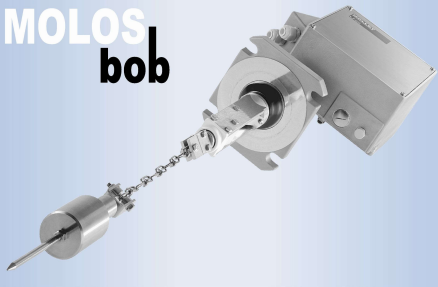


	Guided wave radar	MOLOS wave	1
Level measurement	Yo-Yo sensing systems	MOLOS bob	2
	Visualization	MOLOS visu	3
	Rotation	MOLOS roto	4
	Membrane	MOLOS membran	5
Level indicator	Vibration	MOLOS vibro	6
	Microwave barrier	MOLOS barrier	7
	Pendulum	MOLOS pendu	8
	Coding	MOLOS code	9
Hose couplings	Limit 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
bob

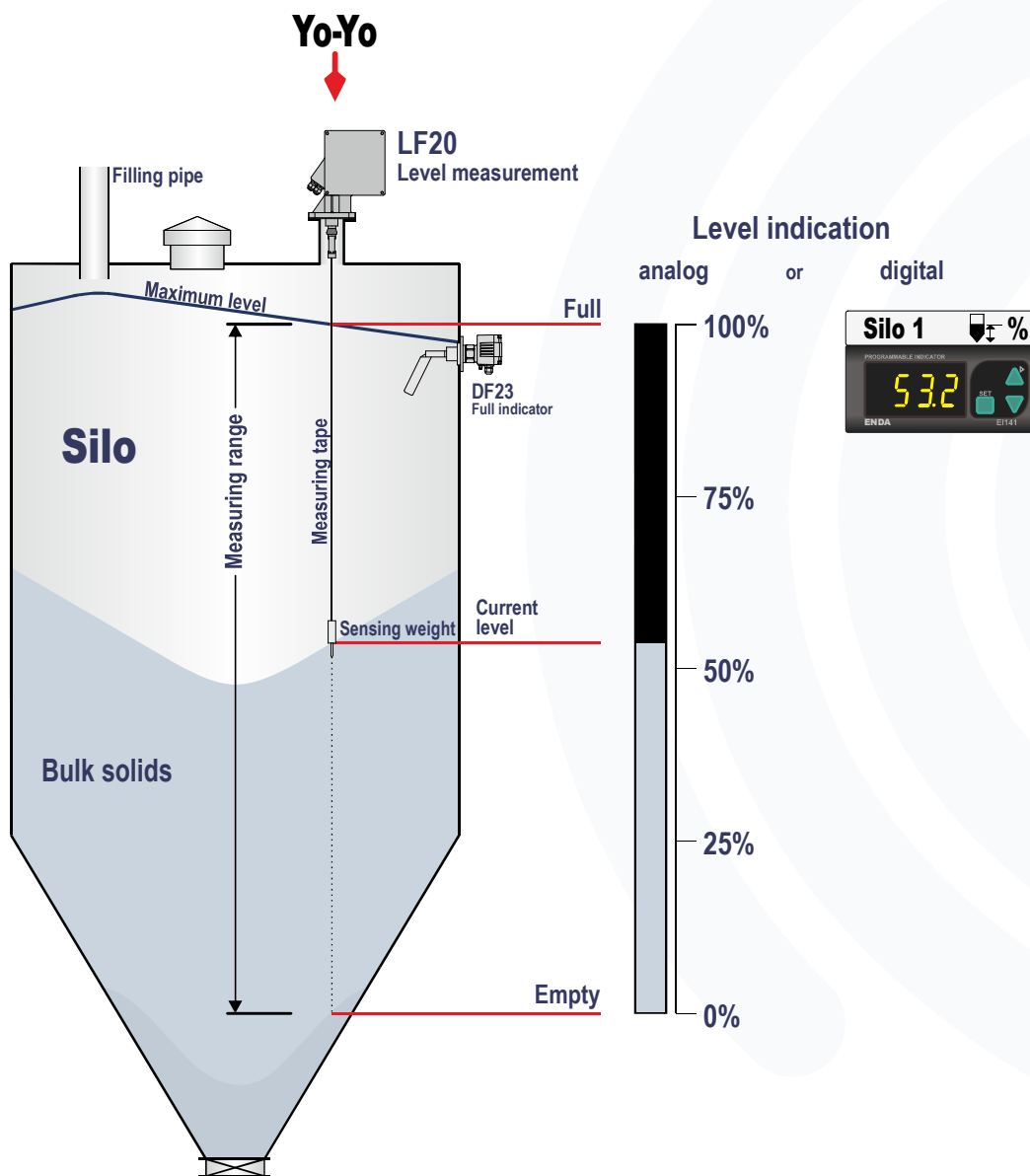


2

Advantages of MOLOSbob level measurement device:

- reliable continuous level measurement up to 42 m ($\pm 2,5$ cm)
- measurements unaffected by dust, moisture or conductivity
- measuring in silos with process temperatures up to 150 °C possible
- no influence on measuring results by any internals in silos or vessels
- use in potentially explosive atmospheres, category 1/2D

Yo-Yo tape and weight for continuous level measurement of bulk solids.



05_LF-AB-01_10-14_de.CDR

Selection list

LF20

↓ Pos. acc. to LF20- ...

Basic device

Choice of options

Certifications, certificates, approvals

- 1. **A** **Standard** = CE conform and IP67
- B** **ATEX** Ⓜ II 1/2D Ex ta/tb IIIC T99°C Da/Db **DUST**
- Y** Further approvals on request

Housing

- 2. **8** **Standard** Aluminium coated RAL7001, lid Aluminium nature
- 0** Special coating on request

Measurement range

- 3. **4** **Standard** 15 m tape, stainless steel 301, modified
- 5** 32 m tape, stainless steel 301, modified
- 8** 42 m tape, stainless steel 301, modified

Wiper, max. nozzle height

- 4. **A** **Standard** - wiper 230 mm Aluminium / steel
- B** Wiper 230 mm stainless steel 304
- C** Wiper 500 mm Aluminium / steel
- D** Wiper 500 mm stainless steel 304

Supply voltage

- 5. **1** **Standard** 90 V AC ... 253 V AC, 50/60 Hz
- 3** 20 V DC ... 28 V DC

Output

- 6. **A** **Standard** 0/4 ... 20 mA adjustable and 2 relay outputs .
- C** 0/4 ... 20 mA adjustable and 4 relay outputs
- Y** Special version on request

Ambient temperature

- 7. **D** **Standard** -20°C ... +60°C
- E** -40°C ... +60°C with heating (ATEX II 1/2D -35°C)
- F** -20°C ... +60°C with extended climate resistance¹⁾
- Y** Special version on request

Process temperature

- 8. **1** **Standard** = -20°C ... +60°C
- 2** -20°C ... +150°C¹⁾
- 9** Special version up to 350°C on request

Sensing weights

- 9. **A** **w/o sensing weight**
- B** Normal weight, steel
- C** Normal weight, stainless steel 316Ti
- D** Umbrella / steel weight
- E** Umbrella / stainless steel weight 316Ti ...
- G** Medium bag, Polyester
- N** Plastics weight, PVC and steel¹⁾
- T** Interface weight, stainless steel 316Ti
- X** Float gauge, stainless steel 316Ti

Additional equipment

- 10. **1** **Standard** (no additional equipment).
- 2** Window and start push button¹⁾
- 9** Special version on request

ATEX-Option 1.B

Dust  II 1/2D Ex ta/tb IIIC T99 °C

¹⁾ not available for use in potentially explosive atmospheres

LF20- 1 2 3 4 5 6 7 8 9 10 ← **Order code**

2 Selection list

LF20

Accessories

Choice of accessories

- LF-SHA Protection hood, aluminium
- LF-SHE Protection hood, stainless steel

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