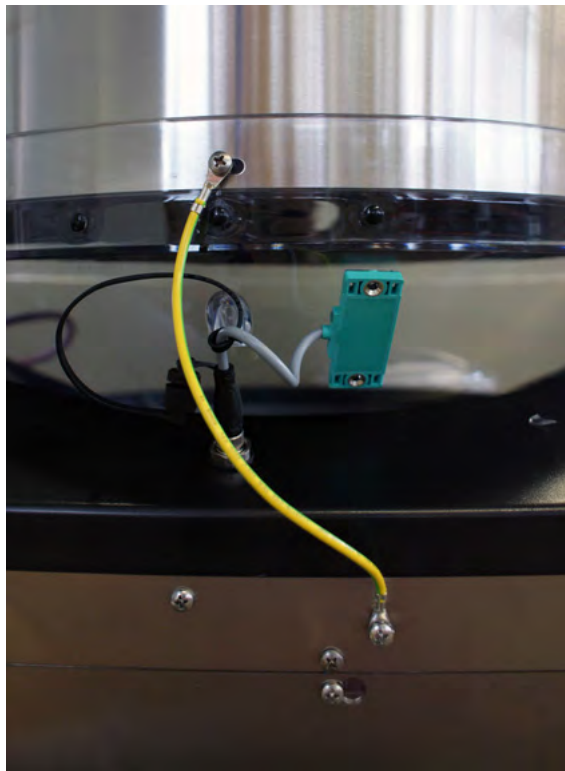


Service info

Retrofitting MP filling level sensor

S56.1e



1 Introduction

These installation instructions put you in the position to install the MP filling level sensor safely and as intended.

- Please read these installation instructions carefully before installation.
- Keep these installation instructions close to hand at all times.
- Comply with all of the safety instructions in these installation instructions at all times.
- In addition, follow the instructions in the original operating manual of the automatic feeder.

2 Important safety instructions

2.1 Necessary qualifications of the service technician

Only trained Service technicians are authorised to install the MP filling level sensor.

Service technicians are specialists with appropriate qualifications. They are able to assess the work assigned to them and detect potential risks on the basis of their technical training as well as their knowledge of the relevant standards. They have knowledge of relevant accident prevention regulations, generally accepted safety regulations and country-specific standards and provisions.


2.2 How am I warned of hazards?

2.2.1 What are the components of a hazard description?

A hazard description always consists of the following elements:

- Hazard word (danger, warning, caution, attention)
- Type of hazard (what can happen?)
- Location of hazard (where can it happen?)
- Actions necessary for preventing the hazard (what should I do?).

2.2.2 Potentially fatal hazards or health hazards

A hazard symbol  (warning triangle with an exclamation mark) and the following hazard words indicate the risk of fatal injury or detrimental effects on health.

DANGER!

The word **DANGER** indicates an immediate danger that can cause loss of life or injury.

Marking in the installation instructions: **DANGER** (white font on red background).

WARNING!

The word **WARNING** indicates a potentially dangerous situation that can result in loss of life or severe injury.

Marking in the installation instructions: **WARNING** (black font on orange background).

CAUTION!

The word **CAUTION** indicates a potentially dangerous situation that can result in minor injuries.

Marking in the installation instructions: **CAUTION** (black font on yellow background).

2.2.3 Material damage

NOTICE!

The word **ATTENTION** warns you about the risk of material damage. The device or an object or animal in its vicinity, such as a calf, can be damaged.

Marking in the assembly instructions: white writing on a blue background

3 Retrofitting

How to retrofit the MP filling level sensor:

WARNING!

Risk of injury due to automatic start-up

The powder mixing unit can start up automatically at any time and crush or cut off your fingers.

- ▶ Switch off the automatic feeder and disconnect the power plug before reaching into the powder container.

1. Switch off the Automatic feeder and disconnect the power plug.
2. Undo the screws that secure the protective grating and remove the protective grating.
3. Empty the powder container.
4. Undo the screws that attach the hopper console to the feeder housing. The screws are located to the left and right of the powder discharge.



1 Mounting screws

5. If necessary, undo the screws that attach the earthing cable to the powder hopper attachment.
6. **For Vario:** Carefully lift the powder hopper from the feeder housing and disconnect the device socket from the geared motor.
7. **For Compact:** Pull the cable lugs off the geared motor.
8. Remove the powder hopper.
9. Drill the through-hole for the socket of the unconnected cable end as shown in the supplied drawing.
10. Remove the O-ring and the transparent plastic disc from the scope of delivery of the socket. These parts are not needed and can be disposed of.

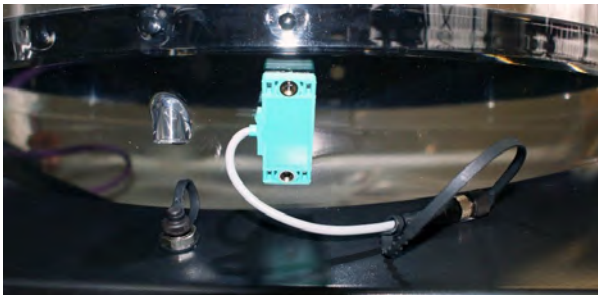


11. Mount the socket in the drilled hole.

12. Open the left door of the automatic feeder and lay the connecting in the left space of the automatic feeder.



13. Feed the connecting cable through PG screw fitting into the control box (see circuit diagram).
14. Connect the connecting cable according to the automatic feeder's circuit diagram.
15. Connect the geared motor of the powder conveyor and fasten the hopper console to the automatic feeder housing.
16. If necessary, fasten the earthing cable to the hopper.
17. Reinstall the protective grating and retighten the screws.
18. Fill milk powder (MP) into the powder container.
19. Use the adhesive strip to attach the filling level sensor to the outside of the powder hopper (see illustration).



Note: The sensor must not be affected. Make sure the sensor is located above the level of the agitator blade.







NOTICE!


There must be no impurities or air bubbles between the adhesive strip and the powder hopper.

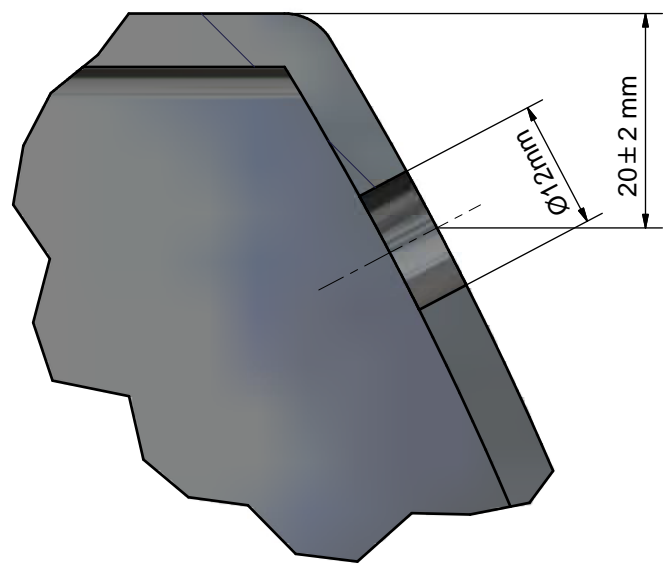
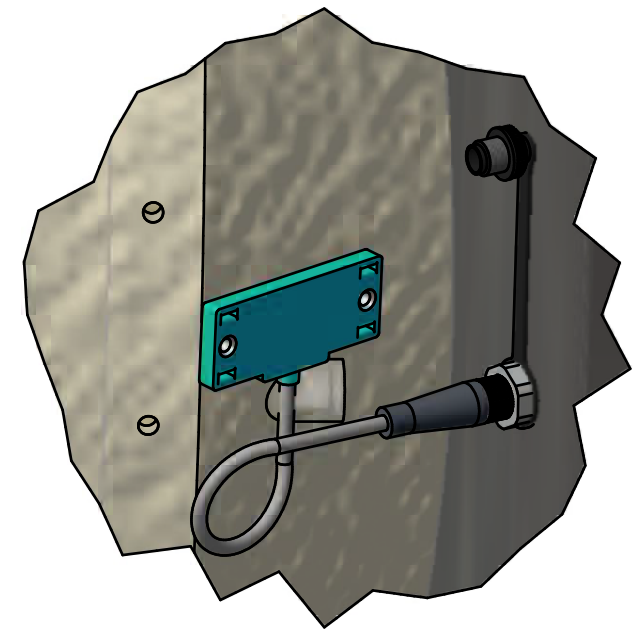
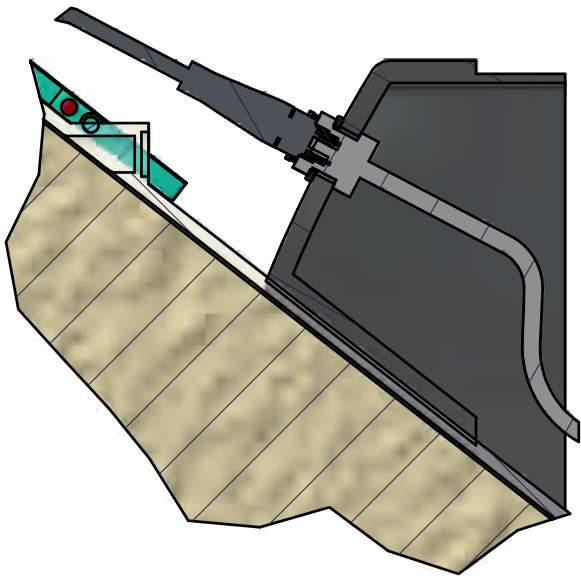
20. Remove the cover caps on the socket and the sensor plug and connect them.
21. Connect the power plug and switch on the automatic feeder.
22. Activate the filling level sensor in the setup of the automatic feeder.

3.1 Activating the filling level sensor

How to activate the filling level sensor:

1. Press  and keep this key pressed when you switch on the feeder.
After a short time, the Setup menu appears on the display.
2. Call up the **Equipment** menu item, and in **Powder hopper sensor** set the value to **yes** to activate the sensor.
3. Confirm your changes with .
4. To leave setup, repeatedly press  until you see the message **Finish setup?**. Confirm with .
5. Activate the milk powder dosing to fill the dosing star and the dosing unit.
 - 5.1. Then use  > **Diagnosis**> **Motor** to go to the **Powder motor** submenu and press  to start the motor.
6. Calibrate the milk powder (MP). To do this, observe the operating manual for the automatic feeder.

Note: The MP filling level sensor checks whether there is MP in the milk powder container. If the sensor indicates an empty signal unit for 10 doses in a row, **Warning Refill MP** appears in the display of the hand terminal. Confirm **Delete warning?** with  when MP has been refilled.



A-A (1 / 4)

