

MI_2427: iVario motors – function test and motor calibration



iVario 2-XS, iVario Pro
2-S, L, XL



10 min.



-



08/05/2024

Topic

The information describes the function test and the motor calibration.

Affected product/accessories

iVario

- 2-XS

iVario Pro

- 2-S
- L
- XL

General information

The aim of calibration is to set limiting position values (digital values) of the motors in the middle of the tolerance band to ensure reliable function.

The drain is slightly different for the different iVario unit sizes.

Variant 1: One motor for pan and lid

Variant 2: Separate motor for each pan and lid

The following procedure must be carried out individually for all installed motors.

Target group

- This document is intended for skilled technicians, who have been certified by the manufacturer after attending training and safety instructions.
- Installation, inspection, maintenance, and repair work must only be carried out by trained technicians.
- It is recommended that only technicians authorised by the manufacturer perform inspection, maintenance and repair work.
- The unit may not be used, cleaned, or maintained by children. The unit may not be used for play. This is prohibited even under supervision.
- The unit may not be used, cleaned, or maintained by people with limited physical, sensory, or mental capacity or those without the necessary experience or knowledge, unless such people are supervised by a person who is responsible for their safety and who has been informed of the hazards of the unit.
- In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Safety instructions

NOTICE

The motor movements are not locked.

Moving the motors poses a danger of damage to the unit.

- When moving the motors, make sure that the lid and pan do not collide.

NOTICE

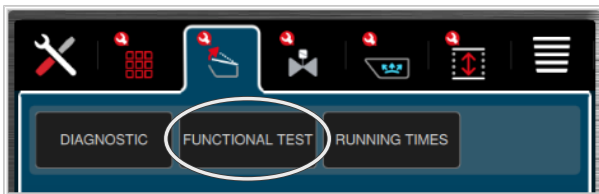
Observe regional and country-specific safety and testing regulations

The relevant regional, country-specific safety and testing regulations apply to all work on RATIONAL units. These regulations may vary by region and are country-specific and are therefore not listed separately in this document.

The technician is responsible for complying with these regulations.

Work steps – Function test

- ✓ Pan and lid are empty and can be moved freely up to the end stop
 - ✓ The software version is LMX-2.13.8 or higher.
1. Start the function test in the service level under Movements.



- > The calibration value replaces the digital value 1:1, which can be checked with the values in the service reference if necessary.
- > The voltage replaces the angle specification, the values can be compared with a voltage measuring device for troubleshooting.
- > The date of the last calibration is displayed. If no date is entered, no calibration has been performed so far.
- > Calibration can be performed if required, but is not mandatory.
- >> The function test is complete.

Work steps – Motor calibration

1. Start the calibration with the button (1). The process can be aborted with "Abort calibration".
2. Use the buttons (2) to move the motors to their end stops.
3. Confirm the end positions with the check marks (3).
4. Save the values with the button (4).
5. Follow further instructions if necessary.
6. Calibrate additional motors if necessary.

>> The motor calibration is complete.



