

# WKC Weigh Module

## Firmware version 3.2.0



**METTLER TOLEDO**

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## 1 Introduction

This software release chart describes the changes in the firmware (30267325) for WKC weigh modules. For more information about the MT-SICS Commands use MT-SICS Manual (11781363).

## 2 Supplier Declaration

METTLER TOLEDO is certified according to ISO 9001. All products of the METTLER TOLEDO business unit "OEM" are developed and manufactured based on the internationally recognized ISO 9001 quality system.

- The software is developed based on a life cycle model, using defined documentation, programming and test guidelines.
- All suppliers of system components must be formally assessed. Obviously standard products are an exception.
- The individual phases of the life cycle model and their working results are subject to a formal review (milestones).
- All documents and approved system components are subject to the modification check.

The application software of the WKC lines is located in the FlashROM on the main board of every weigh module. The user cannot access the FlashROM if the intended use is adhered to. Metrological relevant data are stored separately in the EEPROM. Thus it is ensured that these data could by no means be altered intentionally or unintentionally if an update of the software is initialized.

We confirm that the METTLER TOLEDO WKC lines are developed and tested according to the above described product life cycle model. We would categorize the application and terminal software as GAMP4 software category 2 "firmware".

The design validation is carried out according to company specific guidelines for the product and software development process. The respective reports of these processes and continuative documentation as for example source codes could be disclosed based on an individual agreement (supplier audit).

### 3 History of changes

Firmware Version	Date	Release Type	Description	TDNR <sup>1</sup> -update necessary
3.2.0	2022/07/28	Product enhancement	<p><b>MT-SICS</b> New commands implemented:</p> <ul style="list-style-type: none"> <li>- DATI</li> <li>- M49</li> <li>- M68</li> <li>- SIRU</li> <li>- SIU</li> <li>- SIUX1</li> <li>- SIUX2</li> <li>- SIUX3</li> <li>- SIX1</li> <li>- SIX2</li> <li>- SIX3</li> <li>- SNRU</li> <li>- SRU</li> <li>- SU</li> </ul> <p><b>Product improvement</b></p> <ul style="list-style-type: none"> <li>- Improved error handling and increased robustness of I2C communication in case of voltage disturbances.</li> </ul> <p>Errors with the pattern: S E 105 (E03 error code 1301.1) should not occur anymore.</p> <ul style="list-style-type: none"> <li>➔ Customer note: Contact your MT service technician for update possibilities in case of error.</li> <li>➔ Service technicians note: Refer to WKC service manual for more details.</li> </ul>	No
2.8.1	2022/03/09	Bug Fix	Customer standard adjustment (C7) enhanced	No
2.8.0	2020/05/01	New	<p><b>MT-SICS</b> New commands implemented:</p> <ul style="list-style-type: none"> <li>- E01</li> <li>- E03</li> </ul>	No
2.7.1	2019/02/11	Bug Fix	Buzzer feed deactivated after start-up.	No
2.6.1	2018/04/12	New	<p>USTB command for stability settings extended to 'adjustments'.</p> <p>Note: Factory Reset necessary after Firmware Upgrade!</p>	No
		New	Command C6 for user linearization activated.	No
2.6.0	2017/12/31	New	M110 command added for enhanced display resolution	Yes
		New	M103 command added to select the interface mode as RS422 full-duplex or RS485 half-duplex (support for RS232 and RS422/RS485 interfaces)	
		New	MONH command added to monitor communication running on parallel interface (support for RS232 and RS422/RS485 interfaces)	
		New	SIC1 and SIC2 commands added to receive weight value with a checksum	
2.5.1	2017/09/20	Bug Fix	Hardware handshake disabled	No
2.5.0	2016/02/02	-	Initial version (support for only RS422 interface)	No

For more details on these commands, please refer to the reference manual for MT-SICS command set which can be downloaded from the following website: [www.mt.com/WKC](http://www.mt.com/WKC)

<sup>1</sup> For TDNR (type definition number) update, please contact your METTLER TOLEDO service technician.

## 4 Disclaimer

The information contained in this document has been collected to the best of our knowledge and represents the latest update. In addition, Mettler-Toledo AG will in no event be liable for consequences of any kind arising out of, or in connection with, the use of the downloadable software e-loader or this document.

[www.mt.com/WKC](http://www.mt.com/WKC)

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