

# Moisture Analyzer HC103

## Software Release Notes

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## 1. HC103 Software Version History

Date	Topic	Description	Terminal	Drying Unit	TDNR <sup>1</sup> update needed
June 25, 2021	Bug Fix	See information on <a href="#">Annex 2.11</a>	2.11	1.50	No
Jan 25, 2021	SW update & bug fix	See information on <a href="#">Annex 2.10</a>	2.10	1.50	No
July 7, 2020	New Hardware SW update & bug fix	See information on <a href="#">Annex 2.00</a> See information on <a href="#">Annex 1.70</a>	2.00 1.70	1.50	No
Jan 10, 2020	SW update & bug fix	See information on <a href="#">Annex 1.60</a>	1.60	1.50	No
June 17, 2019	Bug fix	See information on <a href="#">Annex 1.51</a>	1.51	1.40	No
May 15, 2019	SW update & bug fix	See information on <a href="#">Annex 1.50</a>	1.50	1.40	No
June 12, 2018	TDNR update	Only for HC103/02. See <a href="#">Annex 1.41b</a>	1.41	1.30	Yes
Sept 20, 2017	Bug fix	See information on <a href="#">Annex 1.41</a>	1.41	1.30	No
Mar 31, 2017	SW update & bug fix	See information on <a href="#">Annex 1.40</a>	1.40	1.30	No
May 13, 2016	Fix for HC103/02	See information on <a href="#">Annex 1.31</a>	1.31	1.20	No
Oct 28, 2015	Initial version HC103		1.30	1.20	No

<sup>1</sup> For TDNR (Type Definition Number) update, please contact your METTLER TOLEDO representative.

## 2. Software Product Lifecycle Policy

The Software version 1.xx is supported until 20th of December 2022. This means that patches for critical bugs are guaranteed until this date, new features will not be implemented after software version 1.70.

The instruments with serial number C027629848 and lower contain a processor, which only supports software version 1.xx.

If the processor needs to be replaced in case of service, the new processor is automatically delivered with software version 2.00 or higher (terminal software identification 30570776<sup>2</sup>), which will be continued to be extended with new features.

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<sup>2</sup> Check the terminal software identification under "Instrument Info" of the HC103

### 3. Software version 2.xx and higher

A new processor is used in instruments starting with serial number C027629849. This new hardware is not compatible with software versions 1.xx and requires software version 2.00 and higher (terminal software identification 30570776<sup>3</sup>).

#### Annex 2.11

#### Description

Terminal Software V2.11, Drying Unit Software V1.50

##### Software Changes

###### Fixed in Software version 2.11

- Slow terminal clock fixed (loss of 1s each 10min)
- Synchronization of daylight saving time switch fixed

#### Annex 2.10

#### Description

Terminal Software V2.10, Drying Unit Software V1.50

##### Software Changes

###### New in Software version 2.10

- **Date/time:**
- Support for daylight saving time
- **Export**
- Create new folder in directory browser
- Added export button on result screen
- Save last settings in export dialogs
- Changed file name prefix for exported summary results to SR (previously MR)
- **Print**
- Support for USB strip printers
- Added print button on result screen
- **EasyDirect Moisture**
- Added EasyDirect Moisture status icon (connection status)
- Support for all 10 IDs
- Optimized data transfer duration for long measurements
- **Regulation:**
- Save aborted result if door is opened during measurement
- **Instrument Tutorial**
- Run SmartCal test from within Instrument Tutorial

###### Fixed in Software version 2.10

- Removed low battery icon
- Improved result handling (performance, stability)
- Recovery mechanism for missing DB items added (avoid startup issue)
- Improved HA27 behavior (fixed return values and crash)
- Show 'waiting...' instead of 'taring...' in graphics panel

###### Additional hints:

- LabX Direct Software not supported anymore
- Latest HC103 Software requires EasyDirect Moisture Software V1.10 or higher

<sup>3</sup> Check the terminal software identification under "Instrument Info" of the HC103

Annex 2.00**Description**

Terminal Software V2.00, Drying Unit Software V1.50

**Software Changes**

New processor board is supported by Software version 2.00

Fixed in Software version 2.00 compared to Software version V1.60

- Fixed MT-SICS communication support for strip printers (blinking status light)
- Fixed bug of incorrectly created shortcuts after update
- Performance optimizations
- Fixed memory leaks in GUI

**4. Software version 1.xx**Annex 1.70**Description**

Terminal Software V1.70, Drying Unit Software V1.50

**Software Changes**

Fixed in Software version 1.70

- Fixed MT-SICS support for strip printers (blinking status light)
- Fixed bug of incorrectly created shortcuts after update
- Performance optimizations
- Fixed memory leaks in GUI

ANNEX 1.60**Description**

Terminal Software V1.60, Drying Unit Software V1.50

**Software Changes**

New in Software version 1.60

- Automatic saving and documentation of results when measurement is aborted

Fixed defects in Software version 1.60

- Improved import/export functionality
- Fixed memory leak in exporting/reporting
- Improved Method Wizard workflow
- Improved chart scaling in result view and reports
- Optimized shortcut handling
- Fixed missing log files

ANNEX 1.51**Description**

Terminal Software V1.51, Drying Unit Software V1.40

**Software Changes**

Fixed defects in Software version 1.51

- Method Wizard: fixed variable text in Chinese language

**ANNEX 1.50****Description**

Terminal Software V1.50, Drying Unit Software V1.40

**Software Changes**

New in Software version 1.50

- Method Wizard: develop a robust moisture method with minimum effort
- EasyDirect Moisture support: connect up to 5 instruments to a SQL database for secure data transfer via RS232/USB
- User guidance: Accessories definable in method parameters enable improved workflow guidance
- EULA (End User License Agreement)
- System integration: additional and enhanced MT-SICS commands for comprehensive end-to-end integration

Fixed defects in Software version 1.50

- Disabled display light in standby mode to increase lifetime and save power
- Support for long IDs on PDF reports
- Optimization of stability criteria for more robust start weight recording also in harsh environments
- Various other optimizations (improving system performance and stability)

**ANNEX 1.41b****Description**

Terminal Software V1.41, Drying Unit Software V1.31

**Software Changes**

TDNR update for HC103/02 (China model)

New in TDNR

- Increase switch-on range

**No change for other models (HC103/01; HC103/03)****ANNEX 1.41****Description**

Terminal Software V1.41, Drying Unit Software V1.30

**Software Changes**

New in Software version 1.41

- More details in event log

Fixed defects in Software version 1.41

- Startup problems due to corrupted database (e.g. after SW update, factory reset)

**Description**

Terminal Software V1.40, Drying Unit Software V1.30

**Software Changes**

New in Software version 1.40

- Documentation
  - LabX direct support
  - USB Barcode reader support
  - Configurable strip printout: User can customize what information is shown on the strip printout
  - "More data" section: Method parameters are also shown
  - Method versioning: Changes in methods are now visible in the results: results obtained with previous versions are greyed out.
- ID management
- SmartCal enhancements:
  - Test temperature can be chosen in the testing menu
  - Testing temperatures can be deactivated for users
- Varia
  - Enhanced shortcut management: Dedicated menu for managing shortcuts
  - Enhanced date/time information on exports and printouts

Fixed defects in Software version 1.40

- SmartCal:
  - Erroneous control limit message when customer temperature is used in SmartCal test
- Weight test/adjustment:
  - Cancel button while taring in weight test/adjustment (external) is now working properly
- Print / export:
  - PDF reports: results in the table cannot deviate from the graph
  - Print button is now disabled if no results are available
  - Prefix for export of results can now be removed
- Varia:
  - Popup messages now contain unambiguous messages
  - Optimizations of performance and memory consumption
  - Translation fixes

**Description**

Terminal Software V1.31, Drying Unit Software V1.20

**Software Changes**

Relevant for new HC103/02 (China model) only

Enable external weight adjustment in User Mode to be compliant for local market.

Other models, i.e. HC103/01 or HC103/03 are not affected by the change, but are compatible with V1.31.

**5. Support and Contact Information**If you need further support or advice, please contact your METTLER TOLEDO representative: [www.mt.com/contact](http://www.mt.com/contact)