# XPR, XPR-E & XSR Balance Software
## Release Notes

## Contents

## 1  Change History

| Date (dd.mm.yyyy) | Version | Comment |
| --- | --- | --- |
| 09.08.2024 | 2.0.503.19 | Release that supports XPR-E Models with Metric Units only |
| 01.07.2024 | 2.0.503.16 | Release that supports new XPR-E Models with less Methods |
| 14.07.2023 | 2.0.502.9 | Release with fixed bug of freezing terminal |
| 06.09.2022 | 2.0.501.50 | Release with new features and fixed bugs |
| 08.10.2021 | 2.0.401.25 | Release with new features and fixed bugs |
| 30.06.2021 | 2.0.303.2 | Release to fix urgent bugs |
| 26.03.2021 | 2.0.302.149 | Automatic Balance Release with additional bugfixes and new features |
| 01.07.2020 | 2.0.301.47 | Release with new features and fixes for known issues |
| 27.01.2020 | 2.0.205.6 | Release to fix urgent bugs |
| 25.09.2019 | 2.0.204.94 | Release with new features and fixed bugs |
| 28.03.2019 | 2.0.203.36 | Patch release to add features and fix known issues |
| 22.11.2018 | 2.0.202.37 | Update of chapter 5.3 Known Issues |
| 05.11.2018 | 2.0.202.37 | Patch release to add new features and fix known issues |

| 04.09.2018 | 2.0.201.69 | New software release with XPR and XSR micro-analytical and analytical balances |
|------------|------------|-------------------------------------------------------------------------------|
| 04.04.2018 | 2.0.2.33 | Patch release to add new functionality and fix identified issues |
| 28.09.2017 | 2.0.1.141 | V2.0 software release with XPR and XSR precision balances |
| 01.04.2017 | 1.0.0.33 | Patch released to add new MT-SICS functionality and fix identified issues. |
| 20.03.2017 | 1.0.0.8 | Clarification on installation instructions |
| 21.09.2016 | 1.0.0.8 | Minor update fixes 2 issues |
| 27.07.2016 | 1.0.0.6 | Initial software release, document released |

## 2   Introduction

### 2.1 Audience

This document is intended for:

- Service Technicians who are authorized to run administrative tasks, such as installing new balance software
- Users who are responsible for running administrative operations
- Users who are responsible for evaluating the validation requirements of the balance

### 2.2 Purpose of this document

This document provides release information for software for use on XPR and XSR balances and comparators. Mettler-Toledo GmbH recommends that you read this document before installation or upgrade of the software.

## 3   XPR/ XPR-E / XSR Balance Software Versions

The software versions consist of the main software release, which may include one or more subsystems (e.g. the SmartView terminal). All have a version number constructed in the following way: [major].[minor].[patch].[build]

For further descriptions and help with product features, please see the Reference Manual of the corresponding balance.

A software update does not change the calibration parameters of a balance. Therefore, a re-calibration after a software update is not required unless specially mentioned.

## 4 File Location

Please find the various versions of the balance/comparator software on the LabTec Support Site (LSS) or contact your Mettler-Toledo Service Technician.

Please use the correct file version for your balance/comparator:

- **Microbalances/comparators** (e.g. XPR3DUE, XPR6UD5):**XPR_Micro_SW_ml_SN30240964Z.zip**
- **Micro-Analytical** and **Analytical** balances/comparators and Automatic Balances

  (e.g. XPR204DUE, XSR205DU, XPR226DRQ):**XPR_XSR_Analytical_SW_ml_SN30379843R.zip**
- **Precision** balances/comparators (e.g.XPR603S):**XPR_XSR_Precision_SW_ml_SN30379842W.zip**

## 5 Compatibility Table

The following software table gives an overview of software compatibility with the different balance types. In some cases, certain features may not be supported by previous hardware.

**Important**: note that new delivered **XPR/XSR balances** from factory as from version 2.0.501.50 or higher <u>cannot</u> be downgraded to lower software versions. The **XPR-E balances** need version V2.0.503.16 or higher, software downgrade is <u>not</u> supported. Older balances with a lower version can always be upgraded to the latest version.

| Version | Microbalances / Comparators | Micro-Ana. & Analytical Balances / Comparators & Automatic Balances | | Precision Balances / Comparators | |
|---|---|---|---|---|---|
| | **XPR/XPR-E** | **XSR** | **XPR/XPR-E** | **XSR** | **XPR** |
| **2.0.503.19** | | | | | |
| **2.0.503.16** | | | | | |
| **2.0.502.9** | XPR only | | XPR only | | |
| **2.0.501.50 Ex-Factory** | XPR only | | XPR only | | |
| | No Downgrade | No Downgrade | No Downgrade | No Downgrade | No Downgrade |
| **2.0.501.50** | | | | | |
| **2.0.401.25** | | | | | |
| **2.0.303.2** | | | | | |
| **2.0.302.149** | | | | | |
| **2.0.301.47** | | | | | |
| **2.0.205.6** | | | | | |
| **2.0.204.94** | | | | | |
| **2.0.203.36** | | | | | |
| **2.0.202.37** | | | | | |
| **2.0.201.69** | | | | | |
| **2.0.2.33** | | Not Comp. | Not Comp. | | |
| **2.0.1.141** | | Not Comp. | Not Comp. | | |
| **1.0.0.31** | | Not Comp. | Not Comp. | Not Comp. | Not Comp. |
| **1.0.0.8** | | Not Comp. | Not Comp. | Not Comp. | Not Comp. |
| **1.0.0.6** | | Not Comp. | Not Comp. | Not Comp. | Not Comp. |

## 5.1 Web Services

When using Web Services for an application, you may need to you update your application
to support the latest Web Service version too, since this is not down-gradable to a previous version.

Generally we always recommend to use the latest software version on all balances, this may cause to
update your application for using the latest Web Services version as well. The table below gives an
overview of balance software and Web Services version.

| Version | Microbalances / Comparators | Micro-Ana. & Analytical Balances / Comparators & Automatic Balances | | Precision Balances / Comparators | |
|---|---|---|---|---|---|
| | XPR/XPR-E | XSR | XPR/XPR-E | XSR | XPR/XPR-E |
| 2.0.503.19 | Web Service V3 | | | | |
| 2.0.503.16 | | | | | |
| 2.0.502.9 | | | | | |
| 2.0.501.50 | | | | | |
| 2.0.401.25 | | | | | |
| 2.0.303.2 | Web Service V2 | | | | |
| 2.0.302.149 | | | | | |
| 2.0.301.47 | Web Service V1 | | | | |
| Older | No Web Services support | | | | |

The latest Web Service manual instruction and difference between the Web Service Versions can
be found here:
https://www.mt.com/ch/en/home/library/technical-specifications/laboratory-weighing/web-service-how-to-guide.html

# 6   Installation Instructions

Download the *.zip file to your computer and copy it to a USB stick, formatted with FAT32.
**Important**: Do not unpack/extract the content of the zip file.

Place the USB stick into a free USB port of the balance, (or into an attached USB hub) and
navigate to the Software Update menu via:

 *Balance menu → Maintenance → Software Update*

as shown below:

Press next, and then choose USB device from the next menu, follow the wizard and the software update will perform automatically. The balance will restart one or more times in the process.

If there are updates for external devices available, these will be installed subsequently.

Settings, methods, and device configurations will be automatically retained and copied to the new version.

## 7 Update history

| Date | Version | | [Reference Number] Update History |
|---|---|---|---|
| 09.08.2024 | 2.0.503.19 | Fixed Issue | [117500] Version also supports XPR-E Models that have Metric Units only ( /V types) |
| 01.07.2024 | 2.0.503.16 | New | [116281] New XPR Models, named XPR-E, that have less Method types available. Differences between with XPR and XPR-E can be found in Appendix feature table |
| 14.07.2023 | 2.0.502.9 | Fixed Issue | [115801] non-responsive terminal, showing "loading error" and no re-start possible |
| 05.09.2022 | 2.0.501.50 | New | [114085] drop-to-cursor function can also transfer Sample ID, Date and Time |
| | | | [114088] density determination results can now be stored and exported as an xml file |
| | | | [65595]  Routine test and adjustment flexibly configure the printout |
| | | | [107667] The algorithm for liquid dispensing has been improved, allowing better weighing stability |
| | | | [111142] Method "Automated Solution Preparation": Additionally, to the possibility to define the target concentration type as volumetric (for example mg/mL), |
| | | Fixed Issues | [111120] possible blocking balance without set admin and changing to french language |
| | | | [115741] With new pump (> April 2022) hardware all errors are corrected |
| | | | [111452] Internal adjustment in instable environment aborts complete |
| | | | [110776] Density determination: Missing status bar while taring or zeroing |
| | | | [111338] Titration method allows to format pipette tag ST25dv64K |
| | | | [112806] SQC with time span an no result can cause incorrect Start Date Time on Printout |
| | | | [110768] Balance gets slow over time (e.g. after user management is active, after waking up from stand-by, etc.) |
| 08.10.2021 | 2.0.401.25 | New | [105819] Reduction of readability will lead to faster stability times. |
| | | | [100506] Change of terminologies to make it more intuitive to understand. |
| | | | [100850] For SQC methods without automatic feeder the number of desired samples can be configured. |
| | | | [100777] Make lock method password protected on XSR balances. |
| | | | [106726] Support mounting of different weighing pans/weighing accessories on LFT balances without power cycle, initial zero can be triggered from terminal. |
| | | | [26342] Allow LARS to connect when balance is in the "Blocked mode". |
| | | | [100775] Reduced the smallest. ext. adjustment weight to 10% of balance nominal capacity. |
| | | | [98453] Immediate door closure |
| | | | [101816] Print out / Export must contain "---" for the tare value when tare is not performed |

| | | | |
|---|---|---|---|
| | | Fixed Issues | [102127] Powder and Liquid Dosing Head: Print protocol - incorrect printout for remove Lot ID value and subtance value . |
| | | | [101944] Method with Templates: settings printout is different in automation section after restart than when created |
| | | | [101691] Target unit and display unit are not in Sync in method settings |
| | | | [95310] XSR: User can configure info-unit in printout-template |
| | | | [101692] Titration Method: Autoresult is not triggered |
| | | | [101690] System error when changing concentration unit from mol/l to % in running simple formulation method |
| | | | [95905] Method settings: Calculate volumetric values for SQC: toggle between gravimetric and volumetric unit - incorrect nominal weight is shown. |
| | | | [105955] [QS3] Disconnect sample changer during powder test process will crash to the system |
| | | | [105331] UI delay during SQC method execution |
| | | | [108005] When a Transaction Error is shown on exception during a transaction enlistment, no more data is stored in the database until restart |
| | | | [108004] Solution: Result shows wrong actual volumetric concentration |
| **30.06.2021** | 2.0.303.2 | Fixed Issues | [106854] Improvement of dosing performance in unstable environments |
| | | | [106983] UI speed is significantly improved for the SQC method |
| | | | [106894] Bug fixed where some settings were taken over in dosing methods from the general weighing method. |
| **26.03.2021** | 2.0.302.149 | New | Release of Automatic Balance support |
| | | | The dynamic weighing result is shown in a pop-up on XSR balances |
| | | | New readability settings for D2 and D5 balances, to reduce to full digits. |
| | | | 'D' removed from dynamic weighing results transferred via MT-SICS and HID |
| | | Fixed Issues | [104179] Bug fixed where the MT-SICS commands SR/SNR sometimes sent out weight values after zero or tare. Now weight values are only sent out when there was a change. |
| | | | [104762] Calculation of the duration of interval weighing was in some cases inaccurate. |
| | | | [103858] Percent values in SQC statistics were not correctly calculated if option 'use average as nominal' was selected. |
| | | | [102683] On XSR balances buttons were displayed after lock settings, which were not active anymore, and led to a software crash |
| | | | [101539] If two Task IDs are used on XSR, the second one and the button to edit the task parameters are not displayed properly. |
| | | | [100889] Alibi ID did not appear in the Piece Counting method. |
| | | | [100204] A change of the display unit with MT-SICS command M21 was not correctly tracked in the Change History. |
| **01.07.2020** | 2.0.301.47 | New | XPR-SQC methods are implemented for all analytical and precision XPR balances (requires the purchase of license and activation on balance). |
| | | | WebService is implemented as a new communication protocol |
| | | | Support of the new balance models, i.e. XPR106DUH |
| | | | Stacked weights can be configured and used for routine tests |
| | | | Export of weighing data (XML) to a USB drive on XSR balances is now possible |
| | | | Support for the new EasyScan firmware version that supports RAININ pipette tags |
| | | Fixed Issues | [67283] If the time zone is set to 'None' the European DST was applied. This was fixed with this version. |
| | | | [75443] An issue was fixed where not all information was printed on P52 printers. |
| | | | [90330] The average weight value will be shown with one digit more in resolution than each single weight value. |
| | | | [91237] 'Add to protocol' was disabled if the Home button is pressed while a static warning dialog is shown. This bug was solved for this version. |
| | | | [100914] A bug was fixed where some buttons on the XPR terminal became unresponsive. |
| | 2.0.205.6 | Fixed Issues | [91953] Leveling state is not updated anymore until the balance is disconnected/connected to power. |
| | | | [92683] After a factory reset of an XPR, LFT balance with Software v2.0.204.94 installed, Alibi memory activated and connected to LabX Version 11, a started weighing task will get paused after weighing a sample. The weighing task cannot be completed and the Alibi memory is displayed as deactivated in the LabX balance instrument report, although it is still activated. |
| | | | [N/A] Loss of network connection with DHCPv6 protocol server |

| | | | |
|---|---|---|---|
| **25.09.2019** | 2.0.204.94 | New | Alibi Memory implemented for XPR LFT balances (depending on the production date of balance, maybe PCB has to be replaced → check Service Manual or contact your service technician)<br>- Including mixed mode (with Alibi memory activated, unstable values can be added to the protocol, but are not stored in Alibi memory)<br>- For piece counting weight, the value will be stored |
| | | | Dynamic Weighing mode on XSR Precision balances in General Weighing |
| | | | New method setting 'Automatic tare after result' |
| | | | Made MT-SICS weight value output format configurable |
| | | | Balance ID, Hostname, and Bluetooth ID can now be defined separately |
| | | | 'Broken bar' character now available using long press |
| | | | Connect LARS for XPR terminal on XSR bridge |
| | | | Add weight units in piece counting method on XSR |
| | | Fixed Issues | [50793] The balance needs to be leveled popup doesn't disappear automatically |
| | | | [65649] User Linearization should not be shown for balances with one internal weight |
| | | | [67481] Translation of 'preset tare' now conforms with NAWI / Weighing protocol printouts. If weight is printed without tare, there is no word 'weight' and no number printed. |
| | | | [68750] The setting of MT-SICS command M21 persists after the balance reboot |
| | | | [86434] Allow the system to restart including the restart of subdevices |
| | | | [89586] Bug of unexpected I4 on Ethernet connection is fixed |
| | | | [90527] Printing issue on P56 printer was some content was not printed is fixed |
| | | | [90529] Printing issue on P52 printer with 'I4' is fixed |
| **28.03.2019** | 2.0.203.36 | New | In protocol statistics value 'Range' shows the difference between the minimum and maximum value |
| | | | MT-SICS command C3 is available for customers to start internal adjustment, as long as the adjustment strategy is set to internal |
| | | Fixed Issues | [62246] Two external ionizers can be used simultaneously |
| | | | [67095] Continuous weight output over Ethernet is supported |
| | | | [65898] Value of effective duration of interval weighing does match now with excel sheet |
| | | | [65931] Abbreviation errors on LFT label printout for German, French, Spanish, Italian, Polish, Portuguese, and Hungarian language fixed |
| | | | [65932] Abbreviation errors on LFT strip printout for Czech and Polish language fixed |
| | | | [67925] Invalid target weight input in piece counting cannot lead to system error anymore |
| | | | [67302] Indefinitely opening of right fly-in during Interval Weighing is fixed |
| | | | [75271] System error which occurred if user executed routine test is fixed |
| **05.11.2018** | 2.0.202.37 | New | Support for internal ionizer implemented |
| | | | Support of continuous mode for XPR and XSR balances added |
| | | | New System Setting output Mode for continuous mode |
| | | | New pre-defined Method: AutoComplete for DirectPrint |
| | | | Increased number of Sample ID / Task ID for XSR |
| | | | Japanese / Chinese date format on the print out now possible |
| | | | Abbreviation for pre-tare |
| | | Fixed Issues | [65495] Wrong abbreviation for net weight in Portuguese fixed |
| | | | [65492] Added Density to the weighing protocol printout |
| | | | [63912] Modification of tolerance profiles was not possible after restarting in service mode (LARS) |
| | | | [65989] The host unit is changed to a display unit if the display unit is changed (if the continuous mode is inactive) |
| | | | [64355] LabX Bug fixed: Task pauses with missing RFID reader even if connected |
| | | | [63749] RFID tag: truncation rule on ID 1 and ID 2 is not working correctly |
| | | | [63740] RFID tag: trailing zeroes on Density and 'Correction factor' are omitted |
| | | | [66228] Antistatic detection is not started after the motorized door is closed, if a method is started with antistatic detection deactivated, and activated after the first "action" (door open/close) |

| | | | [66197] The ionizer is now stopped when the LV12 process is started |
|---|---|---|---|
| | | | [66180] The ionizer is now stopped after the motorized door is closed |
| | | | [65356] After leaving the service screen, the default tolerance profile is activated instead of a method configured tolerance profile |
| | | | [64365] Print out of relative standard deviation has correct unit now |
| | | | [63736] Service mode & Autodoor: Zero / Tare was not working as long as LARS is not connected |
| 04.09.2018 | 2.0.201.69 | New | Support for Micro-Analytical and Analytical balances XPR and XSR |
| | | | Added new method types: Density determination, Titration (see Appendix I for compatibility) |
| | | | New door settings concept |
| | | | StaticDetect incl. settings for stable and unstable environments (see Appendix I for compatibility) |
| | | | Ionizer setting in Method editor |
| | | | EasyScan USB supported |
| | | | Print-out settings (Define title in the header, add/remove separation lines and sub-titles) |
| | | | Shortened balance test print-out |
| | | | Start balance adjustment from More window |
| | | | Tolerance profile indicator |
| | | | New user management right restrictions "Cancel task", "Exclude/Overwrite results" (see Appendix I for compatibility) |
| | | | Simulator for PC |
| | | | MT-SICS customer commands implemented (for the current list, see the MT-SICS Manual) |
| | | | Japanese/Chinese date format |
| | | Fixed Issues | [39568] The Method comment is not visible on the instrument when using LabX |
| | | | [42901] When entering a Test Weight Name, an error incorrectly states that an entry with the same value already exists |
| | | | [39597] Updating the software currently resets the network configuration |
| | | | [43828] Removing the Bluetooth dongle on the printer during connection causes the screen to freeze for 30 seconds. After this, you should restart the wizard. |
| | | | [56269] XSR: When setting the "Unblock password", a connection to LARS is not possible. |
| | | | [50794] On the user interface the pressed area of "Display Weight" and "Info Weight" is slightly misplaced |
| | | | [44048] Saving a Task as Method with Templates disables the Item Result ID Input and does not update the Method Name in the Status Bar |
| | | Requirement changes | [23662] The keyboard does not automatically change to lower case after an upper case letter is entered → Behavior accepted |
| | | | [43925] If a device fails to be added to the system, you will need to physically unplug the USB cable and reattach it before trying again → Behavior accepted |
| | | | [42401] Automatic Weight Capture occasionally does not accept the value in Piece Counting → Behavior accepted |
| 04.04.2018 | 2.0.2.33 | New XPR/XSR | [50622] Negative weight results can now be added/printed down to the underload limit on an LFT balance |
| | | Fixed Issues XPR/XSR | [50883] Japanese translation correction for weight on user interface and print-out protocol |
| | | Fixed Issues XPR/XSR Precision | [56999] Fixed signal processing block 49 corruption after power on |
| | | Fixed Issues XPR only | [51450] Fixed password reset after a power loss of the balance |
| 27.09.2017 | 2.0.1.141 | New | Support for Precision balances XPR and XSR |
| | | | Added new method types: Interval Weighing, Piece Counting (see Appendix I for compatibility) |
| | | | Support for Dynamic Weighing and weighing by percent Counting (see Appendix I for compatibility) |
| | | | Statistics are available in the Protocol and results screen |
| | | | PreTare |
| | | | Barcode inputs can now be assigned a destination |

| Date | Version | Type | Description |
|---|---|---|---|
| | | | Bluetooth supported in combination with P5x printers |
| | | | Export Data to file server |
| | | | New languages added: Czech, Hungarian, Polish |
| | | | Password protection added to XSR balances |
| | | | LV12 supported |
| | | | The Weighing Protocol Printout configuration has been greatly improved |
| | | | Add Result can now also send a weighing result via MTSICS |
| | | | Weights can now be captured using the capture weight button in input screens |
| | | Fixed Issues | [25989] Xon/Xoff was not selectable when adding an RS-P42 printer |
| | | | [34841] Ethernet settings for DNS1, 2, and Gateway were not correctly imported |
| | | | [36266] Fixed crash when duplicate method names were detected in method wizard |
| | | | [34678] The audit trail had space when the user changed a password |
| | | | [30960] No longer possible to add a P58 incorrectly as a P52 – this led to protocol formatting errors |
| | | | [31281] Canceling a routine test led to an incorrect entry in the Test History |
| | | | [31359] Notifications for due Routine tests no longer repeat endlessly when the test is due on the next working day |
| | | | [27674] "Start Time" was incorrectly printed as "adjustment time" on the adjustment history printout |
| | | | [27754] the MT-SICS "D" command now works correctly when LARS is connected |
| | | | [29847] The next calibration date can be entered without an Actual (CMV) mass value |
| 01.04.2017 | 1.0.0.33 | New | [31323] Support for new P-52RUE printer added. |
| | | | [33131, 32021] New MT-SICS Customer Command: ST. Enables a weight to be outputted over MT-SICS when the "Add Result" key is pressed. This is configurable in the system settings and the method settings. |
| | | | [12760] New MT-SICS Customer Commands implemented (for the current list, see the MT-SICS Manual) |
| | | Fixed Issues | [32620] Method settings: crash when tab selection is changed while a further drill down navigation is open |
| | | | [33437] Method settings: crash when any result ID or task ID description starts or ends with white space |
| | | | [30596] System crash when using the far-east keyboard in a wizard |
| | | | [30564] Strip Printer: date formats are now printed as set in the balance menu |
| | | | [34779, 34779] Custom weight unit is now sent correctly with MT-SICS, if active as the main weighing unit |
| | | | [31411] Weights are now transmitted with MT-SICS when the net weight is below MinWeigh limits |
| | | | [27742] Routine Test limits/Adjustment As Found, As Left Tests: Control and Warning limit in % has the correct number of trailing zeroes |
| | | | [30946] Fixed system crash, triggered when canceling the printing of a routine test |
| | | | [30951] Change history without User Management: '---' was missing as Username in Printout and Test History |
| | | | [34780] User Management Activation – fixed that the Current user is logged out before he completes the activation with the finish button |
| | | | [27789] External adjustment now shows correct weight unit in all cases |
| | | | [30935] Software is no longer stuck on "Sending data to printer" after trying to reprint a protocol |
| | | | [30956] Import data settings - all data now correctly imported |
| | | | [29415] System Settings printout - If the key layout is "Chinese simplified" then the translation code is printed instead of the actual Chinese characters. |
| 21.09.2016 | 1.0.0.8 | Fixed issues | [27850] fixed system crash when adding a new user or adding a user group with the following languages selected: Japanese, Chinese, Russian, Portuguese |
| | | | [27851] fixed issue where the user could not log in to the balance if they have created a user name in the Japanese language |
| 27.07.2016 | 1.0.0.6 | New | Initial release |

## 8 Known Issues

Please use the reference numbers when discussing any known issues with LabTec support.

| Reference Number | Issue |
|---|---|
| 62280 | MT-SICS I4 response is buffered when the port on the terminal program is not opened during standby, but a connection is established later. |
| 67559 | Printer P-56 could not be recognized after a label is printed<br>WORKAROUND: Make Power-Cycle of the printer |
| 68518 | Density determination shows undesired behavior when starting with a negative gross weight |
| 74033 | If the connection of internal Ionizer connection is interrupted during startup but connected later the ionizer is switched ON permanently. |
| 95068 | Ionizer is not recognized (and ionizes) after fast unplug/plug |
| 95393 | Invalid characters on 1D and 2D barcodes are not correctly replaced with a '.'. |
| 104733 | When connecting any USB device to the balance while it is running, the USB hub can lose connection to some already connected devices. |

## 9 LabX Driver

The software version 2.0.503.19 will be compatible with LabX V11, V12 and V13 – see details in the table below - The required drivers are available in the online Knowledge Base as from August 2024. For any questions about the connectivity with LabX please visit the Knowledge Base on the activation portal or contact your Mettler-Toledo Representative (see www.mt.com/contact).

Link to Knowledge Base on Activation website:
https://activation.mt.com/kb/Pages/KB100377.aspx

| | | XPR/ XSR Balance Software | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0.1.141 | 2.0.2.33 | 2.0.201.69 | 2.0.202.37 | 2.0.203.36 | 2.0.204.94 | 2.0.205.6 | 2.0.301.47 | 2.0.302.149 | 2.0.303.2 | 2.0.401.25 | 2.0.501.50 | 2.0.502.9 | 2.0.503.16 | 2.0.503.19 |
| LabX V13 | 13.0.0.280 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 13.1.0.x | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LabX V12 | 12.0.0.728 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 12.1.0.x | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LabX V11 | 11.0.0.583 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | 11.0.1.43 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 11.1.0.x | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LabX 2019 | 10.0.0.731 | | | ✓ | ✓ | | | | | | | | | | | |
| | 10.0.1.747 | | | ✓ | ✓ | | | | | | | | | | | |
| LabX 2018 | 9.0.0.855 | ✓ | | | | | | | | | | | | | | |
| | 9.0.1.993 | ✓ | ✓ | | | | | | | | | | | | | |
| | 9.0.3.1085 | ✓ | ✓ | | | | | | | | | | | | | |

## 10 Support

**If you need further support or advice, please contact your Mettler-Toledo Representative (see www.mt.com/contact).**

## Appendix I – Software Overview Table

| Area | New Version | Ultra-& Micro XPR / XPR-E | Prec. XPR | Ana. XPR / XPR-E | Prec. XSR | Ana. XSR |
|---|---|---|---|---|---|---|
| **Methods** | General Weighing (& Templates) | ✓ / ✓ | ✓ / ✓ | ✓ / ✓ | ✓ | ✓ |
| | Simple Formulation (& Templates) | ✓ / - | ✓ | ✓ / - | ✓ | ✓ |
| | Piece Counting | - | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Interval Weighing | ✓ / - | ✓ | ✓ / - | - | - |
| | Density determination | - / - | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Titration | - / - | ✓ (USB & RFID) | ✓ / - (USB & RFID) | ✓ (only USB) | ✓ (only USB) |
| | XPR-SQC | - / - | ✓ (with License) | ✓ / - (with License) | - | - |
| | Automated Dosing (& templates) | - / - | - | ✓ / - (with dosing module) | - | - |
| | Automated Solution (& templates) | - / - | - | ✓ / - (with dosing module) | - | - |
| **LabX** | LabX Ready | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| **Methods Extensions** | General Weighing: Dynamic Weighing | - / - | ✓ | - | ✓ | - |
| | Simple Formulation: Percent weighing | ✓ / - | ✓ | ✓ / - | ✓ | ✓ |
| **Methods Features** | Continuous mode | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Auto-complete (for methods with template) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Custom units | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Number of Result IDs (with automated options) | 3 / 3 | 3 / 3 | 3 / 3 | 2 | 2 |
| | Number of Task IDs (with automated options) | 3 / 3 | 3 / 3 | 3 / 3 | 2 | 2 |
| | Result statistics | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Pause and Resume Tasks | ✓ / ✓ | ✓ | ✓ / ✓ | - | - |
| | HID Result export (Drop to cursor) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Support of label printer with predefined layouts | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Enhanced protocol printout customization | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | StaticDetect | - / - | - | ✓ / ✓ | - | - |
| | Support of external antistatic kit | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Support of internal ionizer module | - / - | - | ✓ / ✓ | - | - |
| | Pretare | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Automatic Zero | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Automatic Tare | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |

| Area | New Version | Ultra-& Micro XPR / XPR-E | Prec. XPR | Ana. XPR / XPR-E | Prec. XSR | Ana. XSR |
|---|---|---|---|---|---|---|
| | Automatic Add Result | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Automatic tare after result (Additive Weighing) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Barcode reader support (new: target fields) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Capture Weight | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Exclude wrong results | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Display of SmartTrac | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Display of info weight | ✓ / ✓ | ✓ | ✓ / ✓ | - | - |
| | Definition of target and tolerances | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Entering weight value by capturing weight | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | MinWeigh Indicator | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Protocol always visible (right fly-in) | ✓ / ✓ | ✓ | ✓ / ✓ | - | - |
| **Communication** | Bluetooth Support (Printer) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Export/Import Configuration over USB | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Export Result Protocol to USB Stick (XML format) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Export Result Protocol to File Server (XML format) | ✓ / ✓ | ✓ | ✓ / ✓ | - | - |
| | HID Result export (Drop to cursor) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | WebServices | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | MT-SICS | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Weight output via MT-SICS on Add Result | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | MT-SICS weight output configurable | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | RFID support | -/ - | ✓ | ✓ / ✓ | - | - |
| | Interface to LV12 | ✓/ ✓ | ✓ | ✓ / ✓ | - | - |
| | Interface to Calibry (Software for Pipette Calibration) | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | LabX Workflow interface | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| **Setup** | Supported languages: CZ, EN, ES, D, F, HU, I, JP, PT, PL, ZH | ✓ / ✓ | ✓ | ✓ / ✓ | ✓ | ✓ |
| | Alibi-Memory | ✓ / ✓ (LFT only) | ✓ (LFT only) | ✓ / ✓ (LFT only) | - | - |
| | Draft shield settings | ✓ / - | - | ✓ / ✓ | - | ✓ |
| | SmartScan (RFID-enabled weighing pan) | - / - | - | ✓ / ✓ | - | - |

| Area | New Version | Ultra-& Micro XPR / XPR-E | Prec. XPR | Ana. XPR / XPR-E | Prec. XSR | Ana. XSR |
|------|-------------|---------------------------|-----------|------------------|-----------|----------|
| | Weighing chamber modules | - / - | - | ✔ / ✔ | - | - |
| **Quality** | GWP Approved | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Status Light | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Leveling Aid and Warning | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Internal Adjustment (with shortcut) | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Internal/external user adjustment | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Adjustment history | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | User Management | ✔ / ✔ | ✔ | ✔ / ✔ | - | - |
| | Change History | ✔ / ✔ | ✔ | ✔ / ✔ | - | - |
| | Balance blocking/unblocking | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Settings blocking/unblocking | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Configurable routine test methods | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Test weights & Combined Weights | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Routine test history | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Tolerance Profiles | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | MinWeigh | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Reminders: Service, Calibration, Test Weights | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| **Service** | Software update | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | LARS Service support | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Calibration expiry reminders | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Reminder for Service | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |
| | Reminder for test weights recalibration | ✔ / ✔ | ✔ | ✔ / ✔ | ✔ | ✔ |