



SECOM GmbH

Development for Laboratories

q-doc

Version 4, Release Notes

q-doc Version 4, Release Notes

Content

1	Release 4a	7
1.1	Base	7
1.1.1	q-doc.exe	7
1.2	Driver	9
1.2.1	HT100 Driver	9
1.2.2	Sotax HT1	9
1.2.3	Sotax HT10	9
1.2.4	Pharmatron 8M	9
1.2.5	Kraemer UTS Driver	9
1.2.6	Pharmatron DT50	9
1.2.7	Pharmatron AT4	9
1.2.8	Pharmatron MT50	9
1.2.9	Pharmatron ST50	9
1.2.10	Sotax FT2	10
1.2.11	Sotax TD1	10
2	Release 4b	11
2.1	Base	11
2.1.1	q-doc.exe	11
2.1.2	q-doc Admin Tool	12
2.2	Driver	13
2.2.1	SOTAX HT100 Driver	13
2.2.2	SOTAX FT300 Driver	13
2.2.3	Pharmatron AT4 Driver	13
2.2.4	Pharmatron MT50/ST50 Driver	13
2.2.5	Pharmatron DT50 Driver	13
2.2.6	Pharmatron DISI Driver	13
2.2.7	Kraemer UTS Driver	13
2.2.8	Mettler Balance Driver	13
2.2.9	Mettler HR83 Driver	13
3	Release 4b SP1	14

3.1	Base	14
3.1.1	q-doc.exe	14
3.1.2	q-doc Admin Tool	14
3.2	Driver	14
3.2.1	Pharmatron AT4	14
4	Release 4c (Release Date: 2015-10-15)	15
4.1	Base	15
4.1.1	q-doc.exe	15
4.1.2	Installer	16
4.2	Driver	16
4.2.1	SOTAX HT100 Driver	16
4.2.2	Pharmatron AT4	16
4.2.3	Kraemer UTS	17
5	Release 4c SP1 (Release Date: 2015-10-19)	18
5.1	Base	18
5.1.1	q-doc.exe	18
6	Release 4c SP2 (Release Date: 2016-02-11)	19
6.1	Base	19
6.1.1	q-doc.exe	19
6.1.2	Reports	20
6.1.3	Installer	20
6.2	Driver	21
6.2.1	SOTAX HT100	21
6.2.2	Pharmatron AT4	21
6.2.3	Kraemer UTS	21
6.2.4	Pharmatron DT50	22
6.2.5	Pharmatron ST50	22
7	Release 4d (Release Date: 2016-07-18)	23
7.1	Base	23
7.1.1	q-doc.exe	23
7.1.2	Installer	24
7.1.3	Reports	24
7.2	Driver	24
7.2.1	Sotax HT100	24
7.2.2	Pharmatron AT4	24

7.2.3	Pharmatron DT50	25
7.2.4	Pharmatron MT50	25
7.2.5	Pharmatron ST50.....	25
7.2.6	Mettler Balance	25
7.2.7	Schleuniger 8M.....	25
7.2.8	Schleuniger 6D.....	25
7.2.9	Preisser	25
7.2.10	Mitutoyo.....	25
7.2.11	Kraemer UTS.....	26
7.2.12	Sotax HT1, HT10	26
8	Release 4e (Release Date: 2016-12-12)	27
8.1	Base	27
8.1.1	q-doc.exe.....	27
8.2	Driver.....	28
8.2.1	Pharmatron MT50	28
8.2.2	Pharmatron DT50	28
8.2.3	Kraemer UTS.....	29
8.2.4	Mettler HB43	29
8.2.5	Mettler HX204	29
8.2.6	Pharmatron AT4	29
8.2.7	Sotax HT100	29
8.2.8	Mettler Balance	29
8.3	Reports	29
8.3.1	Compact Report	29
9	Release 4e SP1 (Release Date: 2017-01-13).....	30
9.1	Base	30
9.1.1	q-doc.exe.....	30
9.2	Driver.....	30
9.2.1	Pharmatron MT50	30
9.2.2	Pharmatron ST50.....	30
9.2.3	Mitutoyo.....	31
9.2.4	Admin	31
9.2.5	Sotax HT100	31
9.2.6	Mettler Balance	31
9.3	Reports	31

9.3.1	User List.....	31
9.4	Help (Manual).....	31
9.4.1	In-System.....	31
10	Release 4f (Release Date: 2017-06-07).....	32
10.1	Base.....	32
10.1.1	q-doc.exe.....	32
10.2	Driver.....	34
10.2.1	Pharmatron AT4.....	34
10.2.2	Pharmatron DISI.....	34
10.2.3	Sotax DT2.....	34
10.2.4	Sotax DT50.....	34
10.2.5	Sotax HT1.....	34
10.2.6	Sotax HT10.....	34
10.2.7	Sotax HT100.....	35
10.2.8	Mettler HX204.....	35
10.2.9	Mitutoyo.....	35
10.2.10	Sotax MT50.....	35
10.2.11	Sotax ST50.....	35
10.2.12	Pharmatron TM200.....	36
10.2.13	Schleuniger 6D.....	36
10.2.14	Schleuniger 8M.....	36
10.2.15	Kraemer UTS.....	36
10.2.16	q-doc General.....	36
10.3	Reports.....	36
10.3.1	Product Datasheet.....	36
11	Release 4fSP1 (Release Date: 2017-07-19).....	37
11.1	Base.....	37
11.1.1	q-doc.exe.....	37
11.2	Driver.....	37
11.2.1	Pharmatron AT4.....	37
11.2.2	Sotax HT1.....	37
11.2.3	Sotax HT10.....	37
11.2.4	Kraemer UTS.....	37
11.3	Reports.....	37
11.3.1	Master Report.....	37

11.3.2	Compact Report	38
12	Release 4fSP2 (Release Date: 2017-10-27)	39
12.1	Base	39
12.1.1	qdoc.exe	39
12.2	Modules.....	39
12.2.1	LDAP	39
12.3	Drivers	39
12.3.1	Pharmatron AT4	39
12.3.2	Sotax HT 100.....	39
13	Release 4g (Release Date: 2018-10-31)	40
13.1	Base	40
13.1.1	qdoc.exe	40
13.1.2	Installer.....	43
13.1.3	Admin-Tool.....	43
13.1.4	Second Monitor.....	43
13.2	Driver.....	44
13.2.1	Pharmatron AT4	44
13.2.2	Kraemer UTS.....	44
13.2.3	Pharmatron DISI	44
13.2.4	Sartorius Balance.....	44
13.2.5	Mitutoyo caliper.....	44
13.2.6	Sotax HT100	44
13.2.7	Sotax MT50.....	45
13.2.8	Sotax ST50	45
13.2.9	Sotax FT2	45
13.2.10	Sotax TD1.....	45
13.2.11	Sotax DT50.....	45
13.2.12	Sotax DT2.....	46
13.3	Reports	46
13.3.1	Compact Report	46
13.3.2	Measurement Report.....	46
13.3.3	Report: Loss on Drying	46

1 Release 4a

1.1 Base

1.1.1 q-doc.exe

- (1) Allow custom menu entries for scripts in main menu
- (2) Allow creation of Products as „Reference“ to another product. Use TestMethods (TestClasses/TestItems) from the referenced product.
- (3) JobCenter: Show number of batches per product
- (4) JobCenter: Possibility to group Batches or even BatchRuns into Status-Groups. Possible Levels: None, Top, Product
- (5) Batch Registration: Button for filling BatchName with highest one for that product
- (6) Request for two signatures, even for first time setting a document reference.
- (7) Force a signature in case of „rejecting“, „accepting“ or „repeating“ a measurement
- (8) Possibility to load only installed drivers at startup (speed up q-doc start) (Retesting of licensed no. of clients needed)
- (9) Implementation of “Additional Test Class” in Master Report.
- (10) Measurement: Allow “Restart Device” only, if there are no values already acquired
- (11) Remove limitations of printout of Master Report in network environment. “Prolab” Version is “Network” Version.
- (12) Measurement Report WTDH: Allow multiple columns only for same TestClass-Repeat-Numbers, e.g. “Hardness, Diameter, Thickness” and “Hardness 2, Diameter 2, Thickness 2”
- (13) Deploy extra license codes for support contracts.
- (14) Measurement Report WTDH: Show in addition to relative Tolerance limits the absolute T1/T2 in two extra rows
- (15) Script-Driven Variables in Master Report TestItems (Prefix SCR_).
- (16) TestClass Weight: Implementation of PhEur/USP test fixed in Reports in a special section. Choose in TestClass, Misc Tab for Weight.
- (17) Test Items Catalog: Use new Select List form (Test Items Selection) and separate Edit window
- (18) TestItems: Support for language-independent setup with _"" tokens
- (19) TestItems: Allow Import/Export of TestItem definitions (XML)
- (20) TestItems: Support for class-independent setup.
- (21) New TestItem-Select Dialog shows usage in Products in a column
- (22) Include x264-Video-Codec in Installer (32bit and 64bit)
- (23) New window for pending “Additional Batch Run Registrations” for use especially with fully automated systems like HT-100, UTS to avoid the dialog blocking the measurement.
- (24) Product Edit: Possibility to copy a complete test method into an empty test method (page TestItems)
- (25) Allow selecting visible series in DataTrending charts
- (26) Product-Edit: “Document Reference” renamed to “Document No.”
- (27) New Locking table (Locks) for concurrent working on:
 - A (single) Product
 - User Administration
 - A (single) TestItem in catalog
 - Security settings
 - General report settings
 - Auxiliary Data (each page separately)

- System configuration: Audit Trail
- System configuration: Automatic Text
- (28) If DataPump produces Tolerances for invalid relative to average, always use "relative to nominal". Warning at batch registration, if no nominal value exists in this case.
- (29) New TestClasses: Friability, Abrasion and Tapped Density
- (30) New Print event: AdditionalBatchRun
- (31) Backup enabled depending on ServiceCode
- (32) Old data "TInv to average": Automatically detect and modify migrated data
- (33) Selection dialogs: Additional option for saving grid content to file or clipboard
- (34) New feature "Reset Usage Counter" in Product
- (35) Allow adjustment of required number of samples at measurement save. Additional CheckBox "Number of samples is batch dependent".
- (36) Use Ctrl-F12 to bring dialogs, that are out of desktop, back into visible area (center to MainForm)
- (37) Use F5 for User-Logout
- (38) Improved context-sensitive Online Help
- (39) Bugfix in Client Installer: Created desktop link doesn't work, if path to qdoc.exe is not specified
- (40) Bugfix in conversion of huge databases (some records not fetched)
- (41) Bugfix: Product datasheet: Wrong ToIN display
- (42) BugFix: Measurement_WTDH: Wrong TolCheck in Summary, uses all values instead of count for TolCheck
- (43) Bugfix: Automatic Application Lock with open modal forms leads to hidden forms after re-login and unusable main form. Must be switched with Alt-Tab to access it again.
- (44) Bugfix in Measurement: PrintEvent doesn't work if measurement initialized with a TestClass that is not performed later
- (45) Bugfix: Measurement Report WTDH: Wrong precision of Tolerance definition in percent
- (46) Bugfix: AuditTrail entries for MemoFields doesn't report new or additional lines
- (47) Bugfix: Product-Edit-TestItems: Manual sorting of TestItem-List doesn't work properly.
- (48) BugFix: Old-Style Reports can't be used
- (49) BugFix: Don't allow a user to log in to a pc without workgroup permission

1.2 Driver

1.2.1 HT100 Driver

- (50) Take video of hardness/diameter measurement
- (51) Show Device Description in Magazine Graphics
- (52) Additional Product parameter "Maximum count of samples per tube" (with RadioButton) to make the count of tubes dependent from the count of samples and therefor independent from the method. Concurrent to "Used tubes in Repository"
- (53) Remove dot "." from Serial No. due to new SOTAX Serial No. format
- (54) Allow loading of calibration list from external file, e.g. from SOTAX Auto-Calibration-Kit.
- (55) Adjustment of carousel speed for width measurement separately
- (56) If a BatchRun is deleted in JobCenter, it is removed in HT-100 Magazine too.
- (57) Implementation of "lens shape" for handling heavily contoured tablets
- (58) Manual mode: Adjustment of parameters for hardness test
- (59) Additional CheckBox (Settings + Product): "Allow discarding T2 violations" in case of confirmation
- (60) Bugfix: Wrong device driver name on measurement protocol

1.2.2 Sotax HT1

- (61) Reduced to one driver with Balance option

1.2.3 Sotax HT10

- (62) Reduced to one driver with Balance option

1.2.4 Pharmatron 8M

- (63) Reduced to one driver with Balance option

1.2.5 Kraemer UTS Driver

- (64) If a BatchRun is deleted in JobCenter, it is removed in UTS Magazine too.
- (65) Integration of OZB-Module for Width measurement.

1.2.6 Pharmatron DT50

- (66) Different driver license for configuration: 1 station to 4 stations
- (67) Remove "Global Settings", only use Product settings directly
- (68) Additional Disc Type "user defined"
- (69) Bugfix in requesting serial number(s) of device(s) and basket(s) for report.
- (70) Bugfix: A two-station-test (12 samples) doesn't stop the second station when reaching max time. Only happens, if first station is >1
- (71) Bugfix: A test doesn't unlock DT-50 when reaching max time.

1.2.7 Pharmatron AT4

- (72) New driver

1.2.8 Pharmatron MT50

- (73) New driver

1.2.9 Pharmatron ST50

- (74) New driver

1.2.10 Sotax FT2

(75) New Driver

1.2.11 Sotax TD1

(76) New driver

2 Release 4b

2.1 Base

2.1.1 q-doc.exe

- (77) Allow working with Remote and/or Terminal Sessions. Floating Licenses available.
- (78) Measurement window: Option to display charts for all Test Classes at the same time.
- (79) Test Item list in Product dialog: Display Additional Text for Description (multiple lines)
- (80) User Admin: Additional "Clear" button for ChipID
- (81) Standard decisions: Pass – Warning – Fail – Not performed
- (82) Separate Userfield-Dialog with comfortable New/Edit/Delete of Userfields. Moved to "System configuration"
- (83) Allow new/edit/delete of custom TestClasses (Auxiliary Data – Test Classes).
- (84) Allow excluding Test Classes from Summarization. Leave them untouched for later performing them inside summary.
- (85) Allow including all Test Items of all Test Runs into Summary. Listed in separate list after the main method Test Items. One entry for each Test Item and each decision
- (86) Allow collecting a Test Item result (of each test run) into a linked Test Class in summary. The link is done via the TestItem.ShortName = TestClass.Type.
- (87) Allow Summary without Method (only a list of collected TestItems on MasterReport possible then)
- (88) Product Edit: Exchange page "TestItems" and "TestClasses" and reduce available TestClasses in Product-TestItems management.
- (89) Product Edit: Don't allow deleting Test Classes with linked TestItems.
- (90) Increase Product Template (or Core) Version, if a reference to that is used for a batch (beside the reference itself)
- (91) Fetch DB connection loss and try to reconnect.
- (92) Allow Custom Test Classes without Units
- (93) User Administration: Allow ChipID to be entered via Keyboard
- (94) Moved Test Class edit window from Auxiliary data to a separate dialog in Main Menu. Use access Rights from "Master Data Test Items"
- (95) Protected Actions: Option to avoid confirmation with ChipID. Never allow ChipID for Judgment.
- (96) Allow custom menu entries (Script) in context menu of JobCenter
- (97) Allow naming of TestRuns (RunName). Edit in Master Report dialog. Used usually for automated naming in Scripts.
- (98) Intelligent Loading of Device Drivers. At startup the installed ones. Complete list only on demand (button "New"). Removed option checkbox "Load only installed drivers".
- (99) New Access Rights: 33. Printout – Archive, 34. Printout - In Process
- (100) New Audit Trail Entries: '39. Judgment', '40. Signed as "Invalid"', '41. Protected Action confirmed', '42. Printout Report', '43. Printout Label', '44 System'
- (101) Products: Creating a new product that already exists in Offline table (and only there) should continue the versioning of the previous product.
- (102) Device Settings: Allow access to Device dialog even if user has only permission for calibration/adjustment
- (103) Avoid editing Device list while a device is active!
- (104) New Commander event: Measurement.DoAddedValue after each single measured value

- (105) Master Report Dialog: Allow Selection of Form for Master Report, Measurement Report and Label (Right mouse click)
- (106) Test Item list in MasterReport Dialog: Display Additional Text for Description (multiple lines)
- (107) Products: Don't require a new Product Version in case of changing only "Active" state ("Active" Checkbox moved from "General" page to "Miscellaneous" page)
- (108) New Command line parameter option for q-doc.exe to locate qdocDBParams.ini
- (109) Product "Printout" with Preview
- (110) Report Statistics: RSD with precision = 2 by default
- (111) Measurement Report: Exchanged Footer "Performed" and "Checked"
- (112) Measurement Report: Sampling values with units in header
- (113) Disintegration Report: Show Nominal value instead of Max. Time, if defined
- (114) Don't show "Uniformity of mass" in report before measurement is saved
- (115) Allow optional Serial No. for devices in License code. Printout on Report and check during measurement, if device supports serial no. request. With wrong serial no. the test cannot be finished (the last value is ignored) and the serial no. is converted to "XXXXXXXX"
- (116) BugFix: Product: Copy of reference creates a normal product instead of a reference.
- (117) BugFix: Edit Test Class Disintegration: Unable to specify T2 in min:sec
- (118) BugFix: "Sign as invalid" for Summary should not create an empty Summary.
- (119) BugFix: Missing "Comments" on Report "Disintegration", "Friability" and "Tapped Density"
- (120) BugFix: Major Bug that may delete Test Items or Test Classes in Products definitions while generating Offline Versions

2.1.2 q-doc Admin Tool

- (121) Tools: Create new encrypted User/Password for qdocDBParams.ini
- (122) Option to "move" devices from one client to another (Drag & Drop)

2.2 Driver

2.2.1 SOTAX HT100 Driver

- (123) New Product option "Lens shape with AutoAlign". Requires HT-100 Firmware 1.39
- (124) HT-100 now supports precision 0.1 N
- (125) Calibration Tolerances for Quick Calibration separate from normal Calibration Tolerances
- (126) Diagnostics: Additional Helper for Qualification (Hardness move)

2.2.2 SOTAX FT300 Driver

- (127) Move input of "Reference" from device settings to product settings

2.2.3 Pharmatron AT4 Driver

- (128) Dispatcher for Serial number improved
- (129) Handling and startup with 12-pos magazine improved. Fetched error messages like "Rake blocked" with possibility for retry
- (130) BugFix: Unable to start two batches automatically in sequence
- (131) BugFix: Serial-No. is mixed up in configuration (8 chars)/measurement (9 chars). As a result, the Translation table is ignored.

2.2.4 Pharmatron MT50/ST50 Driver

- (132) BugFix: Wrong calculation for other units than mm/N in q-doc

2.2.5 Pharmatron DT50 Driver

- (133) Allow communication via TCP/IP
- (134) Product Settings: Enable/Disable "Medium Detection" and "Level Detection"

2.2.6 Pharmatron DISI Driver

- (135) New driver

2.2.7 Kraemer UTS Driver

- (136) BugFix: Nominal value and Tolerances are transferred in mg instead of g

2.2.8 Mettler Balance Driver

- (137) Support for old Mettler Balances (AM, not SICS)

2.2.9 Mettler HR83 Driver

- (138) New driver

3 Release 4b SP1

3.1 Base

3.1.1 q-doc.exe

- (139) Fixed problem with changing the set of TestMethods in TestClasses may lead to an "Access Violation"
- (140) Product class: Setting nominal value to batch dependent will ask for the nominal value only on first test run instead of asking on every test run
- (141) Fixed bug: Entering dialog product specification in edit mode with double click on product name, even user rights for editing the product settings are not set, is not possible anymore.
- (142) Measurement: Device settings of the product version that was used during registration of the test run were taken instead of the actual one
- (143) Fixed problem with XML-Export

3.1.2 q-doc Admin Tool

- (144) Option to change Language of q-doc GUI (NOT the database content like TestClasses etc.!).)

3.2 Driver

3.2.1 Pharmatron AT4

- (145) Fixed problem in demo mode (communication trouble)
- (146) Precision of weight is 0.1 mg instead of 1 mg

4 Release 4c (Release Date: 2015-10-15)

4.1 Base

4.1.1 q-doc.exe

4.1.1.1 Improvements:

- (147) Warning, if user saves test classes without unit
- (148) Changes in Port settings of devices with MDI-Forms (HT100, AT4, UTS), should immediately close these Forms on saving to avoid communication trouble.
- (149) Product Edit dialog: Move TestClass-Specific pages to first page for "Disintegration", "Dissolution", "Tapped Density", "Friability", "Abrasion" and "Flowability".
- (150) New hardness unit "Ibaf"
- (151) Optimized display of dialogs, if Windows script scaling is 125% or 150%
- (152) JobCenter: Reduce all/Expand all over ShortCut (F6)
- (153) Allow multiple test runs in registration at once (if allowed in security settings)
- (154) Allow deleting test runs even if not the last one, if all following are also deletable
- (155) Rejecting/Accepting Measurements now marks Summary as "out of date"
- (156) Don't allow to save User field COMBO and RADIO without items
- (157) JobCenter and Batches in Process: Reduce Display considering the workgroup limitations of the product
- (158) New/edit Product: Print Events and Print Forms without related Test Class are not automatically deleted any longer.
- (159) Changes in User Fields "Batch" or "Test Run" now automatically updated in Products
- (160) COMserver Log in Master Report Edit Form is now enabled for saving in Raw Format
- (161) New Product: Global Print Events are now visible, not only after saving the product.
- (162) TestClasses and Methods as TreeView
- (163) Product Edit - TestItems: Methods as List
- (164) Additional Dialog+Information in TestItem "FRIABMANUAL" for WeightStart + WeightEnd
- (165) Master Report Measurement list and Measurement Report Preview: Context Menu: "Graphics".
- (166) Right "User Admin" now includes the right "Switch off EasyMode", to allow access to UserAdmin in any case
- (167) New Info (icons and colors) for new Pass/Fail classification of Test Runs
- (168) Master Report Judgment: Allow classification of Test Run (Pass/Fail/...)
- (169) Batch Search/In Process: New positioning of Test Run window on the bottom
- (170) Search for classification of test run (Pass/Fail) in Batches in Process and Batch Search / Archive
- (171) Move Device-INIs and Driver-INIs to General.db
- (172) New (optional) command line parameter /DBNAME= and /DBHOST= to overwrite settings in the qdocDBparams.ini
- (173) Allow loading license information from text file
- (174) Don't allow to uncheck ALL Workgroups in Product/Workstation/User
- (175) Allow "rejecting" complete Test Runs at once in JobCenter
- (176) Mark TestClass in JobCenter if a related TestItem is fail (TextColor = Red)

4.1.1.2 Bug fixes:

- (177) "Uniformity of Mass": Remove "USP" from description
- (178) Fixed problem, that User fields for Product and Batch Registration: Column count and column width settings are ignored
- (179) Fixed problem with Master Report. Additional Test Item with additional (existing) Test Class should increase the repeat counter in Test Class name
- (180) Fixed a problem that user variables not working as expected
- (181) Fixed a problem in the product edit. Sometimes copying a method has removed the test items from the source method
- (182) Fixed HT100, AT4, UTS: Magazine Edit-TestClass error
- (183) Product specification: Fixed a problem that the copy method button is not visible in some cases
- (184) Fixed wrong precision on TestItem Variable "N_VALUES"
- (185) Edit Test Class in Test Run: Editing comments doesn't show up the "Save" button
- (186) Fixed a problem with wrong rounding of the average on reports under some special circumstances

4.1.2 Installer

4.1.2.1 Improvements:

- (187) Add Tool "SystemInfo" to installation
- (188) List all MS-SQL local Instances in 64 bit Windows

4.2 Driver

4.2.1 SOTAX HT100 Driver

4.2.1.1 Improvements:

- (189) Possible wrong balance answer „SD“ („SS“) instead of „S D“ („S S“) is now fetched and handled.
- (190) Allow up to 100.000 mg for Weight Quick Calibration
- (191) Try to re-send Weight command in case of "S I" answer. For approved balances that perform auto-adjustment during measurement

4.2.2 Pharmatron AT4

4.2.2.1 Improvements:

- (192) Allow up to 100.000 mg for Weight Quick Calibration
- (193) "Pause" button for Measurement
- (194) Adjustment/Calibration: Entering dialogs popups a confirmation message "Install calibration plate before starting measurements for Hardness"
- (195) "Cancel" button for Adjustment
- (196) Manual measurement of hardness does not work and menu entry has been removed
- (197) Allow different units for Thickness and Diameter.
- (198) Support for new hardness unit „lbaF“
- (199) Starting from Magazine with only one Run in Magazine shouldn't start in "FullAuto"-Mode.

4.2.2.2 Bug fixes:

- (200) Calibration: Missing Zeroing before calibrating Hardness
- (201) Wrong calculation in Hardness „kp“ mode and Diameter „inch“

4.2.3 Kraemer UTS

4.2.3.1 Improvements:

- (202) Allow up to 100.000 mg for Weight Quick Calibration
- (203) Manual measurement of hardness does not work and menu entry has been removed
- (204) Support for DIN-Messbus protocol

4.2.3.2 Bug fixes:

- (205) Fixed wrong calculation in Hardness „kp“ mode and Diameter „inch“
- (206) Fixed the not working test button in the device settings, when UTS is in DIN-Messbus mode

5 Release 4c SP1 (Release Date: 2015-10-19)

5.1 Base

5.1.1 q-doc.exe

5.1.1.1 Bug fixes:

(207) Fixed a problem in product edit dialog, when test classes with multiple methods will be loaded not for the first time

6 Release 4c SP2 (Release Date: 2016-02-11)

6.1 Base

6.1.1 q-doc.exe

6.1.1.1 Improvements:

- (208) New implementation of mathematical rounding for output on reports
- (209) New Main Menu entry: "Support-Script..." to load and execute a single Script (*.psc) or a Script-Package (*.qsp) = (password protected) ZIP-File
- (210) Audit Trail Entry "System" for Support-Script
- (211) New Right User Right 35. Support-Script
- (212) Import Interval changed to 5 secs. In Audit Trail the import is logged as User -Import- instead of the active q-doc user
- (213) New Compact Report. Speed up and scripting improvements
- (214) New Fields available in Compact Report:
 - Sum
 - IsPass (Warning if >T1, Fail if >T2)
 - TolCheckPass
 - MasterPass (State of complete Master Report)
 - TestItemsPass (State of all Test Class related Test Items)
- (215) New commander event: OnProtectedAction
- (216) New command line option "/SCRIPTPATH=" to re-direct System/Script path
- (217) New Test Item "Visual Inspection", similar to Organoleptic Test
- (218) New Option to "copy" UserFields
- (219) Summary: Exclude TestItems in Summary that are related to rejected measurements
- (220) New Statistical Variable: N_SUM and TOL_SUM for Sum of all values
- (221) Additional Protected Action: "Measurement: Confirm Warning"
- (222) Improvements on Test Item "FRIABMANUAL" to avoid changing data directly without automatic re-calculation
- (223) AuditTrail: "17. Test Item saved" in Master Report Edit more detailed
- (224) New commander events for custom script forms
 - OnGetFormSystemConfig
 - OnGetFormProduct
 - OnGetFormTestRunRegistration
- (225) Summary: Allow collection of Test Items into a Summary Test Class even for Test Items with Test Class reference
- (226) New Option for Disintegration Test Class: Automatic USP <701> Test, with repetition of test if failed.
- (227) Summary: Allow collection of Test Items into a Summary Test Class without value. Pass/Fail is taken instead
- (228) Allow LIMS Export calls in Script
- (229) Increase UserName size from 30 to 80
- (230) Audit-Trail view with Text-Filter
- (231) Improved Date conversion for date formats with Month names in it
- (232) Product Device Settings: Allow Method dependent settings. Displayed as Tree. Method dependent settings "overwrites" Product settings
- (233) Product Device Settings: Parameter set for device family instead of single device types (e.g. DT50 1-4)

- (234) New Export-Engine to speed up export
- (235) New Right (36) for "View Audit Trail"
- (236) Don't allow re-creation of Summary, if changes have been (manually) made. As long as no changes have been made in Summary, it can be deleted.
- (237) Allow Device installation on multiple clients. No limitation, if the License is linked to Serial Numbers and no control window (HT100, AT4, UTS) is needed
- (238) Master Report Test Items: If (Doer<>Checker) save Decision of Doer as "AutoDecision"
- (239) Test Items: Allow automated decision as "Warning" (for Tolerance Check: If not enabled, Warning is generated for Out of T1 decision)
- (240) Alternative Export with Script: Call "ExportMeasureIDs" with List of BatchValuesIDs
- (241) Language wording changes: Replaced calibration by verification
- (242) Language wording changes: Replaced "Kalibrierung" by "Verfizierung" in German Translation
- (243) Show Info in Status Windows, if device serial number is wrong

6.1.1.2 Bug fixes:

- (244) Mark Summary as „Out of date“ when „rejecting“ or „accepting“ measurements in JobCenter
- (245) Problems updating database from 2.xx to 4.01, because of missing PK_General.
- (246) Master Report: Measurement Log display without limits.

6.1.2 Reports

6.1.2.1 Improvements:

- (247) New "Product List Compact"
- (248) AuditTrail Printout: Page Format independent
- (249) Measurement Report: Renamed "Checked" to "Saved" in Footer
- (250) Compact Report: Include UserFields in Header
- (251) New implementation of counting "Out of T1/T2" for saver calculation over wide numeric range

6.1.3 Installer

6.1.3.1 Improvements:

- (252) Removed Driver
 - Kraemer HC
 - Kraemer HCM
 - Kraemer HC97
 - Kraemer UTSNIR

6.2 Driver

6.2.1 SOTAX HT100

6.2.1.1 Improvements:

- (253) New controls for date range in quick calibration
- (254) Improved color background, because in some Windows color schemes text is not visible in Manual mode and Quick Calibration
- (255) Allow custom calibration intervals
- (256) Calibration: Put every measurement into Audit Trail
- (257) Allow definition of "Default" (global) values for product related parameters, taken for "new" products, like "Hardness Method of measurement"
- (258) New video module
- (259) No "hang-up" at q-doc start, if the COM-Port is removed
- (260) Additional Product parameter for carousel object width for width measurement
- (261) Calibration with Time (not only Date)
- (262) Diagnostics: Problem solved that Sensor Test Thickness, slow down COM traffic
- (263) For approved balances: Possible wrong balance answer „SD“ („SS“) instead of „S D“ („S S“) is now fetched and handled.

6.2.1.2 Bug fixes:

- (264) Fixed wrong Tolerance calculation for Quick Calibration in "inch"
- (265) Fixed a problem that the automatic application lock may cause the HT-100 to pause until re-login.

6.2.2 Pharmatron AT4

6.2.2.1 Improvements:

- (266) New controls for date range in quick calibration
- (267) Improved color background, because in some Windows color schemes text is not visible in Manual mode and Quick Calibration
- (268) Allow custom calibration intervals
- (269) Tolerances for Quick Calibration separated from normal Calibration
- (270) Calibration with Time (not only Date)
- (271) Calibration: Put every measurement into Audit Trail
- (272) New Product option <Finalize Test automatically on Message "Not enough samples"> to automatically perform test sequences with unknown number of samples.

6.2.3 Kraemer UTS

6.2.3.1 Improvements:

- (273) New controls for date range in quick calibration
- (274) Improved color background, because in some Windows color schemes text is not visible in Manual mode and Quick Calibration
- (275) Allow custom calibration intervals
- (276) Tolerances for Quick Calibration separated from normal Calibration
- (277) Calibration with Time (not only Date)
- (278) Calibration: Put every measurement into Audit Trail

6.2.4 Pharmatron DT50

6.2.4.1 Improvements:

- (279) Round detected level to 1 mm (instead of 0.1 mm)
- (280) Allow definition of Tolerance Limits for Level Detection per Product

6.2.5 Pharmatron ST50

6.2.5.1 Improvements:

- (281) New driver for bi-directional communication

7 Release 4d (Release Date: 2016-07-18)

7.1 Base

7.1.1 q-doc.exe

7.1.1.1 Improvements:

- (282) Product Settings: Allow removing "User Field for Summary" (set to "none")
- (283) Audit Trail View: Allow filtering of Action as Text (not only from DropDown selection)
- (284) Option: Automatic Export also after Batch Finalization
- (285) Test Items info variables (like @N_ABS2HIGH@) should use precision of Test Class instead of Test Item.
- (286) Additional Test Item Types: Info (text), Info (number), without decision, without nominal, but with result (used for "Weight Variation")
- (287) New License Module "Extended Evaluation": Weight Variation (USP 905), Tensile Strength, Uniformity of Mass (EP 2.9.5), Disintegration Retest (USP 701)
- (288) Barcode on Compact Report (only for Single Batch)
- (289) Make "Save measurement automatically" available for all devices
- (290) Text Filter (e.g. Audit Trail, Product List, Batch List) with Boolean operators
 (+ = AND, - = AND NOT, normally OR)
 abc def -> (aField LIKE '%abc%') OR (aField LIKE '%def%')
 abc +def -> (aField LIKE '%abc%') AND (aField LIKE '%def%')
 abc -def -> (aField LIKE '%abc%') AND (NOT (aField LIKE '%def%'))
- (291) JobCenter: Always display Summary, even it is "complete" and display option "Display complete runs" is turned off.
- (292) New Product: "Standard" Method is preset for Summary instead of "none"
- (293) Context Menu on Button "Compact Report" in "Batch Search" and "Batch In Process" to generate a Compact Report with a form different from the Standard one.
- (294) Extended Security Setting "Allow Batch Finalization or Judgment of Test Runs together with the Summary" with new options "Always", "Never" and "Ask for"
- (295) Moved Tables "Judgments" and "Distribution Lists" to User Right "Admin Tables"
- (296) Also "Discard Measurement" should be linked to User Right "rgtSaveMeasurement"
- (297) AuditTrail: Additional DB field "WorkStation" with additional Filter in view
- (298) Summary Master Report must contain comments for Rejected and Discarded Measurements
- (299) Implementation of Weight Variation (USP 905)
- (300) Allow naming of Test Runs during registration
- (301) Allow (re-)naming of Test Runs in Job Center (context menu)
- (302) JobCenter: New Filter functions by Product and/or Batch (also by Drag&Drop).
 Enable/Disable via Context menu
- (303) Allow customized Password policy check via Commander Script "System.OnPasswordCheck"

7.1.1.2 Bug fixes:

- (304) Fixed a problem that report Logo (upper right) is not saved to PDF in Landscape mode
- (305) Product Edit Dialog: Remove and add print events in the same edit run causes an error when you try to reopen the product edit dialog for the after saving. The product is un-accessible. The print events were created double.
- (306) Fixed wrong report appearance on some Hi-Res Displays with scaling > 100%
- (307) An additional "empty" administrator entry is created if login with ADMIN fails.
- (308) Test Items Master Data: Field for Auto Decision "Warning" is saved, but not recalled properly

- (309) "Repeat Measurement" in Master Report Edit mode may lead to wrong related Test Items if multiple Test Items with same CheckShort but different Test Classes exist.
- (310) Edit signed (judged) Master Report must not allow "Additional Test Class"
- (311) Display bug in User Admin Workgroup Assignment
- (312) Changes in "Master Report comments" must be written to AuditTrail
- (313) Changes in "Edit Test Class" for a Test Run must be written to AuditTrail
- (314) Wrong Precision for RSD in Test Item "STATINFO"
- (315) Uniformity of Mass: Limits must be taken depending on Average value instead of Nominal
- (316) JobCenter: Start measurement without right over double click
- (317) Fixed a problem, where under some special circumstances the decision of a test item is not correctly calculated, but taken over from the test item calculated before, which can give wrong results

7.1.2 Installer

7.1.2.1 Improvements:

- (318) New Language: Spanish
- (319) New Test Items VALRANGEWARN and AVERANGEWARN with AutoDecision "!" as fail Decision

7.1.3 Reports

7.1.3.1 Improvements:

- (320) Master Report: AutoDecision is printed (in brackets) if overwritten
- (321) Test Item collection of Summary: AutoDecision is printed (in brackets) if overwritten

7.2 Driver

7.2.1 Sotax HT100

7.2.1.1 Bug fixes:

- (322) Repository: The last position doesn't get cleared (in q-doc) even the measurement is finished

7.2.1.2 Improvements:

- (323) Renamed "Repository" to "Magazine"
- (324) Removed "Sort values on Report"

7.2.2 Pharmatron AT4

7.2.2.1 Improvements:

- (325) Watchdog for communication during test run and reporting of failure
- (326) Allow comments to device messages (in Message Dialog). Is written to AuditTrail (DEVICE) and/or to BatchValues (if enabled)

7.2.2.2 Bug fixes:

- (327) Measurement Weight doesn't work in g.
 - (326.1) "Out of TInv" is not reported

7.2.3 Pharmatron DT50

7.2.3.1 Improvements:

(328) Always check Serial of Master instead of "First" station (Client)

7.2.3.2 Bug fixes:

(329) Temperature sometimes is not reported in automatic print event on save. Especially when aborting a Test.

(330) Basket ID is not reported, if only Client is used for test.

7.2.4 Pharmatron MT50

7.2.4.1 Improvements:

(331) Allow Hardness Precision 0.1N

7.2.5 Pharmatron ST50

7.2.5.1 Improvements:

(332) Allow Hardness Precision 0.1N

(333) TCP/IP: Periodically send command "TellStatus" (every 30 sec.) to keep connection alive.

7.2.5.2 Bug fixes:

(334) Special treatment of Parameter FlapAngle=0 instead of FlapAngle=9

7.2.6 Mettler Balance

7.2.6.1 Improvement:

(335) Option to use "T" instead of "Z" for Taring (new Command Set).

7.2.7 Schleuniger 8M

7.2.7.1 Bug fixes:

(336) Reporting of TInv doesn't work

7.2.7.2 Improvement:

(337) Allow Hardness Precision 0.1N

7.2.8 Schleuniger 6D

7.2.8.1 Bug fixes:

(338) Grid with values is empty during test.

(339) Reporting of TInv doesn't work

7.2.9 Preisser

7.2.9.1 Bug fixes:

(340) Reporting of TInv doesn't work

7.2.10 Mitutoyo

7.2.10.1 Bug fixes:

(341) Reporting of TInv doesn't work

7.2.11 Kraemer UTS

7.2.11.1 Bug fixes:

(342) Measurement Weight doesn't work in g.

(343) OZB Option doesn't work

(344) "Out of TInv" is not reported

7.2.12 Sotax HT1, HT10

7.2.12.1 Improvement:

(345) Removed "Sort values on Report"

8 Release 4e (Release Date: 2016-12-12)

8.1 Base

8.1.1 q-doc.exe

8.1.1.1 Improvements:

- (346) New License Module: OPC DA and AE Server
- (347) New page "Modules" in System Configuration
- (348) Allow re-opening archived batches
- (349) New Protected Action "Re-open batch"
- (350) New user right (27) to „re-open“ archived batches
- (351) New Protected Action "Start Measurement"
- (352) JobCenter: Device optional as List
- (353) New Audit Trail Entries: "Batch Finalization" and "Batch re-opened"
- (354) JobCenter: Drag&Drop between Devices and Batches/TestRuns reduces preset of Test Classes to selected one
- (355) Batch Registration: Allow setting the JobCenter Filter directly after Batch (TestRun) Registration (via button)
- (356) Driver-Setting for "Test classes to be performed" now available for all devices (General Tab).
- (357) Check write access to "DataPath" at q-doc startup. Terminate q-doc without proper access.
- (358) Allow Customization (Custom Menu) in "Batch Search/Archive" and "Batches In Process"
- (359) Allow Customization (Custom Menu) in Product List
- (360) Prevent a second q-doc start with different windows user
- (361) Printout of User and Right list
- (362) Moved AuditTrail Setting from "System Configuration" to "Security Settings"
- (363) Mark all Security Settings that are relevant for CFR21/part11 (bold/red)
- (364) Product Edit – Test Classes: New context menu item "Copy Method" for empty Test Methods
- (365) Allow copying Test Classes and/or Test Items between Methods via Drag&Drop in Test Class TreeView
- (366) Tensile Strength: Two options for specification – "Wall height" or "Cap height" (Wall height = Thickness – Cap height)
- (367) Edit Master Report: Overwriting an automatic (or initial) decision should require a comment in the Test Item
- (368) New security option: Maximum allowed failed Login attempts before user deactivation (default = 2)
- (369) User Administration: Allow changing name of "Administrator" Group (ID = 0)
- (370) New Protected Action: 'Product Activation'
- (371) Log (AuditTrail): Additional column ID (= autoincrement) for unique identification of entries
- (372) New security option: 'Force a comment on change of Product specification to new version'
- (373) New handling of Product with Document number: Allow second confirmation independent from first one. Only if saved as "active", the second confirmation (and only that) is needed. As long as it is "inactive", there is no need to re-confirm it.
- (374) Removed (empty) caption bar from several dialogs. Move Window by dragging the Header Text
- (375) Start Measurement: In case of only ONE available device, restore the form position from last status window directly

- (376) AuditTrail entry for EVERY failed login attempt, not only the last two ones.
- (377) New licensed module in q-doc: Domain (LDAP)
- (378) Don't allow additional Test Run, if Product is inactive
- (379) Test Start: Show only Devices, that are NOT active (reduce drag&drop also). Additionally mark active Devices in JobCenter with a red dot.
- (380) Use pre-defined comments (Auxiliary Data) also for Measurement Reports
- (381) Handle Windows Shutdown request (Warning in Password dialog or Quit)
- (382) All Exceptions (EurekaLog) are written to q-doc DataPath and included in Support Backup
- (383) Re-implementation of "Application Auto Lock" with higher precision
- (384) "Old" Domain Authentication enabled in Extension of License code (SSPI)
- (385) "Virtual Lab" (Start) for Devices: As floating MDI Window (with Drag&Drop configuration and Background Image and custom Icons/Text) **PREVIEW Version**

8.1.1.2 Bug fixes:

- (386) "Ranking" (usage counter) must not be incremented in case of printing Sample Report from Product list.
- (387) Data Setup - Product Dialog: Visibility of Filter "Show Inactive" is not saved.
- (388) Product Specifications: Using Shortcuts (Function Keys) after opening "Test Classes" without selecting a TestClass (no Test Class window visible) leads to an error.
- (389) Device Handling: Possible Access violation after changing parameters in "Device settings" and re-building Magazine Frames (HT100, AT4, UTS)
- (390) Don't allow to save a product without any selected Test Method
- (391) Automatic print event at "Measurement Save" produces a printout for each Test Class instead of only one of Measurement_WTDH.
- (392) Product: Spec.: If using different Test Classes with the same Class Type (e.g. "MASS") and assigned Test Items to these in one Method, then the batch registration assigns all test items to ONE Test Class.
- (393) DataTrending.psc: Empty chart if using only Summaries in Batch Comparison
- (394) Pending Batch Registrations: Harmless Error-Popup removed
- (395) Automatic Application Lock: Password dialog was hidden in background if Windows Screen was locked.
- (396) Automatic Application Lock: Pressing "Logout" didn't work if modal dialogs were open

8.2 Driver

8.2.1 Pharmatron MT50

8.2.1.1 Improvements:

- (397) Bidirectional Communication (as ST50)

8.2.1.2 Bug fixes:

- (398) Wrong calculation if unit used other than "N" and/or "mm"

8.2.2 Pharmatron DT50

8.2.2.1 Improvements:

- (399) Allow manual input (Ctrl-Right-Click) after max. time (enabled in Product Settings)
- (400) Status Window: Display Station No. in Basket (instead of Pharmatron Logo)
- (401) Workaround for Firmware-Bug (SDx 3bSP2) that fires +RUT after :CTC 1 1 even if stopped (after Pretest)
- (402) New Icons in JobCenter

8.2.2.2 Bug fixes:

(403) Disc Type "unknown" is displayed as "1.5 mm"

8.2.3 Kraemer UTS

8.2.3.1 Improvements:

(404) All Test Parameters for Test Classes (Nominal, T1, T2, TInv) must be rounded and transferred with precision of Test Class due to rounding bug in UTS

8.2.3.2 Bug fixes:

(405) Wrong configuration parameter sent (*509) in case of OZB for alignment without width measurement

8.2.4 Mettler HB43

New Driver

8.2.5 Mettler HX204

New Driver

8.2.6 Pharmatron AT4

8.2.6.1 Improvements:

(406) New Device option: <Enable "Pause" during measurement>, default = True

(407) All Test Parameters for Test Classes (Nominal, T1, T2, TInv) must be rounded and transferred with precision of Test Class due to rounding bug in AT4 (see Mantis attachments)

8.2.6.2 Bug fixes:

(408) DIN-Messbus: Communication trouble after measurement start (and with second time Test button after re-entering Device config)

8.2.7 Sotax HT100

8.2.7.1 Improvements:

(409) Allow Finalizing Measurement in case of HaltOnT2 (Patheon request)

(410) Watchdog for communication

Allow comments to device messages (in Message Dialog). Is written to AuditTrail (DEVICE) and/or to BatchValues. With Presets in Global Device Settings.

8.2.7.2 Bug fixes:

(411) Measurement is not finished properly in case of device errors.

8.2.8 Mettler Balance

8.2.8.1 Improvements:

(412) Moved Options "Measurement Method", "Automatic Taring" and "Use Feeder" to Product Settings

8.3 Reports

8.3.1 Compact Report

8.3.1.1 Improvements:

(413) Graphics with Error Bars

9 Release 4e SP1 (Release Date: 2017-01-13)

9.1 Base

9.1.1 q-doc.exe

9.1.1.1 Improvements:

- (414) Show active measurements in Password screen
- (415) Allow Batch finalization and judgment only if Batch is not "busy" (Measurement, Test Item edit, Judgment, Comment edit)
- (416) New TestItem SMAX for new installations
- (417) Cancel Measurement immediately in case of wrong Serial No.

9.1.1.2 Bug fixes:

- (418) Edit Master Report: Selecting a Test Item that is associated with an un-performed Test Class, the following Dialog for starting the measurement shows a wrong (random) Test Class Name
- (419) JobCenter: Virtual Lab Context menu in JobCenter has empty menu items?!
- (420) Edit Master Report: Switching to "comments" during active measurement causes a message "Batch is locked".
- (421) Test Item catalogue: Saving doesn't work
- (422) Tensile Strength with "Cap height": Wrong calculation for Wall height. Correct one is Wall height = (Thickness - (2 x Cap height)) instead of (Thickness - (Cap height))
- (423) Backup "complete" doesn't work
- (424) Job Center: Wrong icons on the empty test classes in case of discarding a measurement

9.2 Driver

9.2.1 Pharmatron MT50

9.2.1.1 Improvements:

- (425) Improvement in Error handling: Samples sent as "invalid" (e.g. hardness overload) now treated as "Error", if they are inside TInv.
- (426) Manual test abort on device now leads to a "finalized" test in q-doc (at least one measurement must be present, otherwise the MT50 doesn't send a "TestEnd")

9.2.1.2 Bug fixes:

- (427) 8M modes are now displayed correctly in status windows during measurement and on report

9.2.2 Pharmatron ST50

9.2.2.1 Improvements:

- (428) Improvement in Error handling: Samples sent as "invalid" (e.g. hardness overload) now treated as "Error", if they are inside TInv.
- (429) Manual test abort on device now leads to a "finalized" test in q-doc (at least one measurement must be present, otherwise the MT50 doesn't send a "TestEnd")

9.2.3 Mitutoyo

9.2.3.1 Improvements:

(430) Support for Interface "Input Tool IT-007R" in addition to "DMX" (Baud=2400 instead of 9600)

9.2.4 Admin

9.2.4.1 Improvements:

(431) "Remove all locks" also removes the "Busy"-Flags in all Batches (Test Items, Measurements)

9.2.4.2 Bug fixes:

(432) Backup "complete" doesn't work

9.2.5 Sotax HT100

9.2.5.1 Improvements:

(433) In case of cancelling a test on OutOfT2 confirmation, the feeder should empty itself

9.2.6 Mettler Balance

9.2.6.1 Bug fixes:

(434) Product Specification: Device Settings disappear when changing the language of q-doc.
Workaround: Remove and re-install Mettler Device in new language.

9.3 Reports

9.3.1 User List

9.3.1.1 Bug Fixes:

(435) UserList: Wrong statement in Script: License.Serial -> LicenseSerial

9.4 Help (Manual)

9.4.1 In-System

9.4.1.1 Bug Fixes:

(436) Online Help doesn't work from within q-doc (Main Menu, F1 etc.)

10 Release 4f (Release Date: 2017-06-07)

10.1 Base

10.1.1 q-doc.exe

10.1.1.1 Improvements:

- (437) Bind Floating only to installed Devices (allow DEMO-Devices in floating licenses)
- (438) Allow "overwriting" global Printer definition and use local printers instead (Auxiliary Data)
- (439) Force a comment in case of "Rejecting" and "Accepting" a Measurement or Run
- (440) The dialog "Batches finalization" must also be reduced to Workgroups
- (441) Judgment: Allow signing "empty" Test Runs, as long as they have been changed somehow (e.g. comment)
- (442) Data Trending: New Option for "External Display". Exporting (selected) Data Trending Data to files (PNG, BMP, WMF, EMF, JSON). Copy Trending to External Monitor with context menu in Data Trending (TreeView) window. Trending is removed from Export on Batch Finalization (Files remain until "out of date").
- (443) Export manual: Additional Fields "RunName" and "TestMethod" for Measurements and Batches
- (444) JobCenter: New (Context-) Menu button for touch use.
- (445) JobCenter: New ToolButton bar for touch screen usage (in addition to context menu)
- (446) JobCenter: New option "Show local Test Classes only" to reduce JobCenter entries to supported Test Classes of locally installed devices.
- (447) JobCenter: Allow One-Click Assignment to Devices and Data Trendings (with Timer) MT50, ST50, HT100, AT4, UTS
- (448) Product Edit Test Classes: Allow deleting a Test Class together with all Test Items.
- (449) Product Edit Test Items: Method list as TreeView. Copy Method over Context menu.
- (450) System Maintenance Utilities: "Check (and save) customized files" (in q-doc Application folder), like customized Reports or (additional) Scripts
- (451) New option System configuration - Appearance - "Modal Form Appearance" for Touch screen/tablet usability
- (452) Rename all report scripts from *.fps to *.psc due to internal Scripser IDE
- (453) New User field section "User" for User-dependent user fields, e.g. new customized rights. Also with possibility to add a custom Script Form (same as with Batch)
- (454) LDAP: Option "Use LDAP only for Main Login" to avoid slow re-login procedures during workflow in q-doc
- (455) LDAP: Option "Use LDAP only once a day" to avoid slow login
- (456) System Maintenance: Removed Time Calibration Tool. Only useful for DT2, but can better be done with the DT2 driver itself.
- (457) Backup: Include all customizations (in a ZIP-File in the ZIP-file)
- (458) Re-arranged controls in Edit Master Report - Measurements (especially for Comments internal)
- (459) Copy Online Manual Help to local DataPath because of security issues in Windows
- (460) DataTrending:
 1. Show indicator (green, yellow, red) for T1/T2 violations of average
 2. Mark measurements with indicator (yellow, red), if measurement has OutOfT1/OutOfT2
- (461) JobCntr: Mark Test Runs and Test Classes with orange Text color if classified as "Warning" (in Test Items)

- (462) JobCenter: Use Status Icon – New, partially changed (e.g. comment) (CreateDateTime <> ChangedDateTime)
- (463) New User Right: "Discard Measurement"
- (464) Remove numbering of User Rights, use shortcuts instead
- (465) Remove numbering of Audit Trail, use shortcuts instead
- (466) Product Edit Test Methods and Edit Test Items and Edit Test Classes: All Test Method lists sorted in alphabetical order.
- (467) New DB Field "BatchValues.AssignedDeviceID: INT" holding the ClientDevice that is assigned to a measurement (e.g. in HT100 magazine)
 - Indicator "Blue square" (and blue ball) in JobCenter, if assigned (also in legend)
 - System Maintenance: "Remove all Device assignments" together with "All Locks"
- (468) New DB Fields: Additional "UTCOffset: INT" (in minutes) in all Tables to save the time zone for each "DateTime" data field
- (469) New DB Field "BatchValues.GroupID: INT" for grouping Measurements (to be collected onto a single Measurement Report, like Measurement_WTDH). Also required for multiple "discarded" measurements in same run that leads to a mess in WTDH report.
- (470) New Command line parameter: /NOSTARTFAILMESSAGE to avoid blocking message of multiple startups of q-doc
- (471) New Tool for a "Second Monitor" to pull DataTrendings from a Directory (as JSON and MetaFile EMF)
- (472) Fetch Alt-F4 (close Forms and Dialogs) and suppress action (close)
- (473) New Language Portuguese (PT)
- (474) New Language Polish (PL)
- (475) Optionally run q-doc in an "Archive-Mode", where no new data can be generated or acquired and no changes can be made on existing data (Products etc.). Only for research, printout and export.

10.1.1.2 Bug fixes:

- (476) Tensile Strength didn't work for "cylindrical tablets"
- (477) If Product is assigned to more than one Workgroup, the List in "Batch Finalization" shows wrong number of Test Runs (weak bug without any impact)
- (478) JobCenter: If Product is assigned to more than one Workgroup, the Status icon is not refreshed properly.
- (479) History: Filter for Workgroups didn't work.
- (480) Shortcut "Ctrl-V" doesn't work in non-modal forms (e.g. Edit Master Report – Comments). Shift-Insert does work and modal forms also. Does work in Version 4d (Virtual Lab "Bring To Front")
- (481) New Product creates "Product Change" Audit Trail entries instead of one "Product New"
- (482) JobCenter: Following process leads to completely deleted Batch data:
 1. Generating an empty Summary (e.g. with rejected measurements in ALL Test Runs) **TWICE**
 2. Delete the (empty) Summary
- (483) Export Measurement manual: If at least one column is deselected, the "TEXT" columns, like "Variables" or "Comments" are not exported properly.
- (484) Closing q-doc directly after Starting q-doc (without User Login) removes Client from Client Table. Has no effect in if used regularly as intended.
- (485) Product Edit Test Classes: Copying a Test Class with Test Items via Drag & Drop from one Method to another, loses the (new) Test Items during "Save" of the Product.
- (486) Automatic Test Item decision: If "Fail" is assigned to a "Warning" char (e.g. "!"), the classification of the Test Item is made wrong to pafFail instead of pafWarning
- (487) Misbehavior on judgment of an "empty" test run (just ignored), e.g. only containing discarded measurements

10.2 Driver

10.2.1 Pharmatron AT4

10.2.1.1 Improvements:

- (488) Product Test button: Fetch e.g. "Out of samples" (C8*2651) and all other events and show message with retry/abort
- (489) Allow selection of Test Classes during drag & drop to magazine
- (490) Quick Verification: Save Date in ISO format for proper date range filter usage if data contains different date formats
- (491) Verification periods now evaluated with time of date, to allow e.g. 24h period

10.2.1.2 Bug fixes:

- (492) Sending Limits at Test Start must add the offset to nominals

10.2.2 Pharmatron DISI

10.2.2.1 Improvements:

- (493) In case of 2-station test the second station must also be marked as "active"

10.2.2.2 Bug fixes:

- (494) Reaching Max Testing Time without any disintegration time simply closes window and doesn't stop device

10.2.3 Sotax DT2

10.2.3.1 Improvements:

- (495) In case of 2-station test the second station must also be marked as "active"

10.2.3.2 Bug fixes:

- (496) q-doc loses station settings (>1) when adjustment or verification is performed directly after saving Settings

10.2.4 Sotax DT50

10.2.4.1 Improvements:

- (497) Renamed from "Pharmatron DT50" to "SOTAX DT 50"
- (498) In case of 2-station test the second station must also be marked as "active"

10.2.4.2 Bug fixes:

- (499) It might happen that the first station is not stopped in a two-station-test when reaching Max. Time
- (500) "Manual" disintegration after Max Testing Time doesn't work for "Two-Station-Tests"

10.2.5 Sotax HT1

10.2.5.1 Bug fixes:

- (501) Potential (harmless) Error message at Test start (Access Violation)

10.2.6 Sotax HT10

10.2.6.1 Improvements:

- (502) Support for Test Class "Width"

10.2.6.2 Bug fixes:

(503) Potential (harmless) Error message at Test start (Access Violation)

10.2.7 Sotax HT100

10.2.7.1 Improvements:

(504) Allow selection of Test Classes during drag & drop to magazine

(505) Quick Verification: Save Date in ISO format for proper date range filter usage if data contains different date formats

(506) Verification periods now evaluated with time of date, to allow e.g. 24h period

10.2.8 Mettler HX204

10.2.8.1 Improvements:

(507) Allow Test Methods with spaces in name.

(508) Query for parameters "user defined shut off criterion" (HA632) at the very end of the init sequence, because it is not supported by Mettler in actual Firmware version

10.2.8.2 Bug fixes:

(509) Possible (harmless) Device Timeout message if connected to slow RS232-Port

10.2.9 Mitutoyo

10.2.9.1 Bug fixes:

(510) Changing the standards sort order of Test classes doesn't work

10.2.10 Sotax MT50

10.2.10.1 Improvements:

(511) Renamed from "Pharmatron MT50" to "SOTAX MT 50"

(512) Print username of device-operator in measurement footer. Also print last Verification date on report.

(513) "Virtual Magazine" = Job List for each Device (similar to Magazine in HT100/AT4)

10.2.10.2 Bug fixes:

(514) Sending Limits at Test Start must add the offset to nominals

(515) Potential (harmless) Error message at Test start (Access Violation)

10.2.11 Sotax ST50

10.2.11.1 Improvements:

(516) Renamed from "Pharmatron MT50" to "SOTAX MT 50"

(517) Print username of device-operator in measurement footer. Also print last Verification date on report.

(518) "Virtual Magazine" = Job List for each Device (similar to Magazine in HT100/AT4)

10.2.11.2 Bug fixes:

(519) Sending Limits at Test Start must add the offset to nominals

(520) Potential (harmless) Error message at Test start (Access Violation)

10.2.12 Pharmatron TM200

10.2.12.1 Improvements:

(521) New Driver

10.2.13 Schleuniger 6D

10.2.13.1 Improvements:

(522) Evaluate numbering of the samples from device, e.g. @1 h 85 N. Request a "RESET" if test starts with a number higher than 1.

10.2.14 Schleuniger 8M

10.2.14.1 Improvements:

(523) Evaluate numbering of the samples from device, e.g. @1 h 85 N. Request a "RESET" if test starts with a number higher than 1.

10.2.15 Kraemer UTS

10.2.15.1 Improvements:

(524) Allow selection of Test Classes during drag & drop to magazine

(525) Quick Verification: Save Date in ISO format for proper date range filter usage if data contains different date formats

(526) Verification periods now evaluated with time of date, to allow e.g. 24h period

10.2.16 q-doc General

New Driver for Script driven Devices

10.3 Reports

10.3.1 Product Datasheet

10.3.1.1 Bug Fixes:

(527) Wrong user name in Test Item list (logged in user instead of user that changed the test item)

(528) Product Datasheet: Missing User Names of Activation

11 Release 4fSP1 (Release Date: 2017-07-19)

11.1 Base

11.1.1 q-doc.exe

11.1.1.1 Improvements:

- (529) "One-click" Test Start in JobCenter
- (530) Batch Lists: New Column "Has Summary"
- (531) Summary Report option that hides Single Values list doesn't work properly for very old databases
- (532) EasyMode: Allow configuration of "Product-Edit-References"
- (533) JobCenter: Hints for Tool Buttons
- (534) Internal set of visible components (e.g. Test Items, Test Methods, JobCenter, Export, etc.), set by client configuration
- (535) Batch Finalization: Close form if no more batches in list after finalization

11.1.1.2 Bug fixes:

- (536) Workgroup User assignment doesn't work
- (537) DB-Update from Version 2 or lower doesn't create the assignment of Report Forms to Test Classes (must be done manually)

11.2 Driver

11.2.1 Pharmatron AT4

11.2.1.1 Improvements:

- (538) Option "Halt on T2" changed to one choice "Ok" because of missing data from device in case of direct cancelling

11.2.2 Sotax HT1

11.2.2.1 Bug fixes:

- (539) Units other than N are not converted

11.2.3 Sotax HT10

11.2.3.1 Bug fixes:

- (540) Units other than N are not converted

11.2.4 Kraemer UTS

11.2.4.1 Improvements:

- (541) Option "Halt on T2" completely removed because of missing data from device

11.3 Reports

11.3.1 Master Report

11.3.1.1 Bug Fixes:

- (542) Bug in Page break if Test Item list exceeds one page.

11.3.2 Compact Report

11.3.2.1 Improvements:

- (543) Compact Report: Print "Do User" instead of "Check User"
- (544) Compact Report: Sorting of Re-tests inside a Test run not based on Class Name (e.g. "Hardness Re-test #4") but on "Repeated" DB field.

12 Release 4fSP2 (Release Date: 2017-10-27)

12.1 Base

12.1.1 qdoc.exe

12.1.1.1 Bug fixes:

- (545) Product Edit Test Methods: List with Method Sequence must NOT be sorted
- (546) "Judge all single runs together with the summary" doesn't work
- (547) Don't check for automatic batch finalization after the completeness of a method in case of "batch re-opening"

12.2 Modules

12.2.1 LDAP

12.2.1.1 Bug fixes:

- (548) In some cases, an LDAP user can be deleted from the local database by mistake
- (549) "Allow local login, if Domain is not available" do not work in some cases.

12.3 Drivers

12.3.1 Pharmatron AT4

12.3.1.1 Bug fixes:

- (550) Command R230 (set zero point for hardness) must be sent when switching to page "Quick Calibration"

12.3.2 Sotax HT 100

12.3.2.1 Bug fixes:

- (551) Using mode without Magazine may crash with an exception at startup
- (552) Manual mode: Re-send manual parameters after init of device.
- (553) In case of "Slow mode": Weight requests at test start must be paused during Taring command (WTT)

13 Release 4g (Release Date: 2018-10-31)

13.1 Base

13.1.1 qdoc.exe

13.1.1.1 Bug Fixes

- (554) Don't allow to delete Test Runs that are not the last ones (in "Edit Master Report")
- (555) (Device) Messages that popup without logged in user should ask for a user authentication.
- (556) Product Test Classes: "New" and "Deleted" were not in Audit Trail.
- (557) Time-based Test Classes only work with English or German Units, like "min:sec", "min", "sec", "min:sek", "sek". Other languages lead to an error when changing data in e.g. Product Test Class Disintegration.
- (558) Manual Print with Distribution list prints only the first recipient of the list
- (559) Module LDAP: Settings were not saved without license for OPC
- (560) HT100, AT4, UTS: Device MDI Forms are not well formatted directly after first installation (after GUI cleanup)
- (561) Test Start: Active user is taken at Window Popup, not at Test Start itself. Leads to a wrong "Doer" if User has changed between Measurement Window is opened and Test Start.
- (562) Automatic Measurement Save, where CheckUser = DoUser: AuditTrail entry for "Save" must be assigned to "DoUser"
- (563) Virtual Lab: Possible wrong display of images (just a question mark) if q-doc is started with a wrong working directory (images in Virtual Lab are accessed with relative paths)
- (564) Measurement: Graphics are not updated during measurement.
- (565) If "Edit Master Report" with open edited Test Item, an "Application Lock" with "User Logout" doesn't work.
- (566) It's possible to Start a measurement via JobCenter-Device list without permission

13.1.1.2 Improvements

- (567) Fetch "Invalid Entry" of all TSpinEdits and TNumEdits with Message Dialog and auto correct to [min..max]
- (568) Product – Edit – Device Settings: Only display Methods for device, that intersects with available test classes
- (569) Audit Trail: Application Lock and Forced Logout via Application Lock
- (570) New Security option: "Use same Product Version within one batch"
- (571) Product, User and Workstation Edit: Changes to the workgroups (limitations) were not reported in the Audit Trail
- (572) New option for Devices General: "Automatically assign all selected Test Classes (in case of Magazine use)" (AT4, UTS, HT100, ST50, MT50)
- (573) Batch List Select: Additional options for "Date Filter" (Changed): "Changed", "Created", "Signed", "Archived"
- (574) Don't allow to delete Runs, that are assigned to devices (in "Job Center" and in "Edit Master Report")
- (575) Allow configuration of Data Trending Refresh interval
- (576) Do not allow Batch finalization with a batch that contains pending measurements with assigned devices (like Magazine HT100)
- (577) New JobCenter context menu entry "To External Display" in addition to DataTrending
- (578) System Configuration: Moved "Data Trending Settings" from "Modules" to separate Page
- (579) New Dialog "Measurement Search/Archive" similar to "Batch Search/Archive"
- (580) Increase Rights.Name column to 200 chars (now 30) due to domain groups

- (581) The Security Setting "Judging Person must be different from Processing Person" should also affect Test Runs without Test Items. Check Judger against the person, who saved the measurement (that is normally the "Doer" of the Test Item)
- (582) Measurement End: Show Warnings even if "AutoSave" is set (as configuration similar to "AutoSave")
- (583) Measurement Save: Write Warnings into Audit Trail
- (584) User: "One-click" History for User Right Assignment
- (585) User Rights: "One-click" History for Right Configuration
- (586) Allow "de-selecting" devices per Product (or checkbox "all") on Page "Limitations"
- (587) User Fields - Batch/Test Run: Allow deleting only if not in use of any Product
- (588) User Fields - Product/User/Device: Delete all entries in related data sets if deleted in User Field definition list
- (589) Rename "Standard" Test Method to "Default" due to mix-up with Dissolution "Standards" (only for new installations, has to be renamed in q-doc for old databases)
- (590) Measurement "Out of TI": Append sample number, e.g. "1425.4 (3)" (in database)
- (591) Summary: Numbering of samples in Measurement Report grouped by Test Runs, e.g. 1, 2, ..., 10, 1, 2, .., 10, 1, 2, ...5
- (592) Allow registration of new batches even if a Product is in "Activation Process" (and so also "inactive"). Take last valid Product version then (the highest version ever used for a batch)
- (593) Product Edit: Moved Tolerances for "Data Trending", "Batch Comparison" and "Process Limits" to a Method-independent page "Evaluation". Att.: Tolerances from this section must be re-defined in all products
- (594) Module Extended Evaluation: Include "Process Capability" (CP, CPk) for all Test Classes
- (595) New Tolerance input fields per Test Class "Process Specification Limits" (page Product - Test Class - Additional)
 - Print Limits in graphics "class distribution"
 - Make CP, CPk available for Test Items (as Variable)
 - Make CP, CPk, LSL, USL available for Compact Report
- (596) Data Trending: Added a second indicator showing, if a Test Run has OutOfT1/OutOfT2 values
- (597) Batch Comparison improvement: Always based on Summary (not on Test Run 1). Dynamically generate Summary if not existing.
- (598) Select Dialogs (e.g. Product List): Sorting done with Single-click on header of column (instead of double-click)
- (599) Select Batch: Product List as Filter removed. Added browse button to Product No/Product Name Filter instead
- (600) Window "Batches in Process": New button for "To External Display" (same as in Job Center)
- (601) Batch Comparison Select: New Selection list for Test Classes to be displayed in Data Trending / Batch Comparison
- (602) EasyMode is switched off for new Users by default.-
- (603) Removed Support for version 1x Reports. Old Reports are re-directed:
 - DisintReport=Disintegration
 - FlowabReport=Flowability
 - HTMeasRep100NoGr=Measurement_WTDH_NoGraph
 - HTMeasReport=Measurement_WTDH
 - MassReport=Measurement_Class
 - MeasReport=Measurement
 - BatchReport=MasterReport
- (604) Additional DB columns for main statistical values: Average, StdDev, Min, Max
- (605) DataPath changed from "SECOM\q-doc" to just "q-doc"
- (606) Security Option "Delete empty Test Classes on Judgment / Finalization" must delete empty Test Items as well
- (607) LDAP: Removed options "Only once a day" and "Only for Main Login"

- (608) LDAP: Option for using a specific Domain Controller
- (609) Devices: Enable/Disable COMserver Log being saved to database (per Device).
default = disabled for DT2, DT50, DISI
default = enabled for all others
- (610) Data Trending: Allow appending to/removing from External Display by Script
- (611) In case of multiple Test Run creation during Batch Registration use Method Sequence
- (612) Compact Report: Separated Settings (field selection etc.) for "Compact Report" and "Batch Comparison"
- (613) Remove Tolerance option "To Average". It's used only for "Uniformity of mass" and is therefore covered by "Extended Evaluation".
- (614) Job Center: New option "Reduce all to Test Run"
- (615) Master Report Edit: Moved embedded main Menu entry to "Additional" Page
- (616) User Login: Display Rights Group in Status Bar of Main Window
- (617) Audit Trail User Login: Show User Group also (second line)
- (618) Measurement window: Remove Device selection. Only Test Starts with (previously) selected Device allowed.
- (619) Make Touch Keyboard available from within q-doc.
On global "touch keyboard button" in lower right of main. Either use Windows 10 Keyboard, use Windows osk.exe, use q-doc build-in Keyboard or use external Tool, e.g. FreeVK.exe (delivered with q-doc)
- (620) Measurement Window: Show Button "Edit Master Report" and "Show Master Report" if message for fails is displayed after "Save Measurement"
- (621) Data Trending: Automatically refresh Data completely if a run (measurement) is rejected/accepted or signed as invalid
- (622) Verification Module available for all devices. Check especially the "Expiry" and "Warning" of scheduled Re-verification.
- (623) Judge Test Class as fail, if ActCount < ReqCount (N-)
- (624) Devices: Don't allow to make changes in Device Settings, if the device is assigned to a Test Run
- (625) Edit Master Report: Increased number of chars per line from 60 to 80 and add an automatic line break during input
- (626) Audit Trail: Make Entries for changes of System configuration (e.g. Security) more readable, especially of Audit Trail configuration
- (627) Audit Trail: Put changes of Audit Trail configuration into Audit Trail anytime, independent from any configuration
- (628) Put all (manual) Exports, "Export" and "Export of Audit Trail" into Audit Trail to new Audit Trail category "EXPORT"
- (629) Discard measurement: Put comments into Audit Trail
- (630) Test Item Edit: If decision is overwritten, put it into Audit Trail (with comment of Test Item)
- (631) New Right: "Additional Test Run"
- (632) New option for "double approve" Protected Actions with a second different user (or only with that)
- (633) Special handling for Test Items: Second approval fills the "CheckUser" fields as well
- (634) Device management: New or changed devices require successful "Test" for closing window
- (635) Create MRU (Most Recently Used) list for Audit Trail comments for Product new version
- (636) New Right: "Additional Test Class / Test Item in Test Run"
- (637) New Protected Action: "Additional Test Class / Test Item in Test Run"
- (638) "Allow manual input" as (basic) Test Class option, not as global setting
- (639) Extended Evaluation with new check for "Nelson Rules" violations on Compact Report
- (640) Manual input of measurements: Check for TInv also

- (641) Allow temporary "disabling" of Devices (Device-Settings-General)
- (642) New statistical value "Median" on Report. Also for Test Items
- (643) New Product option "Parent Product" to build up a product chain. Useful in customized scripts (e.g. OPV Tool)
- (644) Allow selecting multiple Test Runs (in Batch Search/Archive) for reducing Compact Report to selection

13.1.2 Installer

13.1.2.1 Improvements

- (645) Installation path changed from "\\SECOM\" to "\\q-doc\"

13.1.3 Admin-Tool

13.1.3.1 Improvements

- (646) New Button "Cleanup Trial Lock" for cases with manipulated date into the future

13.1.4 Second Monitor

13.1.4.1 Improvements

- (647) Scaling for Bitmaps optimized
- (648) Automatic adding/removing of files

13.2 Driver

13.2.1 Pharmatron AT4

13.2.1.1 Bug fixes

- (649) Working without Magazine: Starting a manual measurement during an automatic measurement will hang q-doc.
You cannot click away the message "Not allowed if measurement is active". q-doc has to be stopped via task manager.

13.2.1.2 Improvements

- (650) Parse <I3*n*... index and check for mismatch with q-doc index
(651) Adjustment/Verification: Message for "Install verification plate..." should popup later, when changing to "hardness" page
(652) "Save Verification" as Protected Action
(653) Don't allow to start measurement directly when using Magazine
(654) Optional Hardness Factor and Offset ("Extended Evaluation" required)
Keep original (raw) values and print on report
(655) Method of measurement "0.35 mm/sec." on report

13.2.2 Kraemer UTS

13.2.2.1 Improvements

- (656) Device Settings: New option "Supported Precision" 1N or 0.1N (default = 1N)
(657) "Save Verification" as Protected Action
(658) Don't allow to start measurement directly when using Magazine
(659) Optional Hardness Factor and Offset ("Extended Evaluation" required)
Keep original (raw) values and print on report
(660) Method of measurement "0.35 mm/sec." on report

13.2.3 Pharmatron DISI

13.2.3.1 Bug fixes

- (661) Report for unfinished measurement is incomplete

13.2.4 Sartorius Balance

13.2.4.1 Bug fixes

- (662) Absolute mode doesn't work properly

13.2.5 Mitutoyo caliper

13.2.5.1 Improvements

- (663) Allow configuration of precision (default = 2). Important for check at Test start

13.2.6 Sotax HT100

13.2.6.1 Bug fixes

- (664) Missing "Feeder empty" command after test when no magazine is used

(665) Setting for "MaxHardness" in Administration doesn't work for 2-point Adjustment extrapolation with 1000 N load cell

13.2.6.2 Improvements

- (666) Video mode: Allow configuration of Picture Info (position and text color)
- (667) Quick-Verification should allow different values for Diameter verification
- (668) "Save Verification" as Protected Action
- (669) Don't allow to start measurement directly when using Magazine
- (670) Optional Hardness Factor and Offset ("Extended Evaluation" required)
Keep original (raw) values and print on report
- (671) Method of measurement as "mm/sec." instead of "mm/min."

13.2.7 Sotax MT50

13.2.7.1 Improvements

- (672) Fetch Verification data and store in Database
- (673) Allow configuration of "Additional supported Measurements" in Device Settings
- (674) Virtual Magazine with picture of device
- (675) Optional Hardness Factor and Offset ("Extended Evaluation" required)
Keep original (raw) values and print on report

13.2.8 Sotax ST50

13.2.8.1 Improvements

- (676) Video mode: Allow configuration of Picture Info (position and text color)
- (677) Fetch Verification data and store in Database
- (678) Allow configuration of "Additional supported Measurements" in Device Settings
- (679) Virtual Magazine with picture of device
- (680) Optional Hardness Factor and Offset ("Extended Evaluation" required)
Keep original (raw) values and print on report

13.2.9 Sotax FT2

13.2.9.1 Improvements

- (681) Check if a result has been sent already

13.2.10 Sotax TD1

13.2.10.1 Improvements

- (682) Check if a result has been sent already

13.2.11 Sotax DT50

13.2.11.1 Bug fixes

- (683) Report for unfinished measurement is incomplete (missing last disintegration time)

13.2.11.2 Improvements

- (684) If a test is finalized manually: Option (device setting) for saving enforcement of the measurement even without any disintegrated cell (if runtime is not zero). Save and report the actual runtime.
- (685) New Product-Device Option: "Abort Test Run if Temperature is out of Range", e.g. 35.0°C – 39.0°C

13.2.12 Sotax DT2

13.2.12.1 Bug fixes

(686) Report for unfinished measurement is incomplete (missing last disintegration time)

13.3 Reports

13.3.1 Compact Report

13.3.1.1 Improvements

(687) Label for the X-Axis in the graphics are better aligned and still readable even if a lot of entries are active

(688) Long captions for user fields scale better now

(689) Additional Graphics for Class Distribution and Inverse Gauss curve for Summary

13.3.2 Measurement Report

13.3.2.1 Improvements

(690) Gauss curve as overlay to class distribution

(691) Calculate number of classes as square root of number of samples (rounded up)

13.3.3 Report: Loss on Drying

13.3.3.1 Improvements

(692) Include start and end weight on Report