

**RELEASE NOTES**

Product: **FW for MI 3360 (HW1.0/HW2.0)**

Version: **1.11.28.3ad81698**

Release date: **21.09.2023**

**DESCRIPTION OF THE RELEASED PRODUCT:**

FW for MI 3360 OmegaPAT/GT XA

**Description of changes, dependences and history:**

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|  | MI 3360 | | | | | PC SW | *Minimal FW version of related instruments* | *Changed parameters of AutoSequences (Yes/No)* |
| *#* | *FW version* | *Release date* | *Description of changes:* | *HW / HD version* | *Metrel*  *User Manual version* | ***M****etrel* ***E****lectrical* ***S****afety* ***M****anager*  *version* |
| 21 | 1.11.28.3ad81698 | 21.09.2023 | * Changed pre-test (check of relays), * Bug fix (changed captions of RCD, PRCD, EV-RCD measurements), * BMB-1067. | HW1.0/HD 4.0 | Ver.1.12.16 | Fully supported  V.1.22.0.xxxx |  | No |
| 20 | 1.11.24.c1cf9c0e | 15.09.2023 | * Added user administration (Standard / Instructed), * Support for i.MX processor, * Enabling FW upgrade for 8MB flash (S.n. 17470920 and below), * Added option to compensate test leads in AutoSequence®, * Power test added to all functional inspections, * QR scanning support for wired scanners, * Support for new BT module, * Bug fixes (BMB-1035). | HW1.0/HD 4.0 | Ver.1.11.15 | Fully supported  V.1.20.0.xxxx |  | No |
| 19 | 1.10.38.9060b39f | 23.05.2023 | * New boot loader (improved FW loading reliability), * Bug fix (BMB-1032) Auto print on Save. | HW1.0/HD 3.0 | Ver.1.10.14 | Fully supported  V.1.20.0.xxxx |  | No |
| 18 | 1.10.35.5188328a | 06.04.2023 | * Integrated functionality that prevents FW upgrade in the case of 8MB flash. * Bug fix (BMB-1030) | HW1.0/HD 3.0 | Ver.1.10.14 | Fully supported  V.1.20.0.xxxx |  | No |
| 17 | 1.10.29.92f4cbdf | 03.03.2023 | * Added new Extended Leakage measurements (BMB-892),   + Substitute leakage   + PE Leakage   + Differential leakage   + Touch leakage   + equipment leakage   + Applied parts leakage   + Patient leakage extended to (IEC 60601)   + Touch leakage medical   + Leaks & Power * Added measurements for leakage current produced on floating inputs (BMB-907),   + Touch leakage + Substitute leakage (Itou+Ifi)   + PE leakage + Substitute leakage (Ipe+Ifi / Idiff+Ifi) * Updated test sequences according to EN 50678 & EN 50699 (BMB-911), * Added parameter for recording of Single Fault Conditions (BMB-913), * New visual & functional inspections according to EN 50678 & EN 50699 (BMB-916), * Support for custom lists in memory organizer (BMB-855), * Upgraded search functionality in the AutoSequence menu (BMB-925), * Indication of data transfer progress (BMB-791), * Added support for commander in the Black-Box protocol (BMB-923), * Adding additional decimal point to the limit calculator (BMB-904), * Load pre-test added to settings menu (BMB-897), * Added references for new standards in the drop-down lists (FWH-1321), * Added parameters to limit calculator (BMB-905), * Prolonged hibernation time from 1min to 5min (BMB-931), * Updated names for printer & scanners (BMB-906), * Active polarity related bug fix (BMB-920), * Deactivation of inactive results for Power measurement (BMB-825), * Adaptation of the expression related to IEC 60974-4 (BMB-809), * External keyboard related bug fix (BMB-803), * Updated printing workflow (BMB-896), * Results storing related bug fix (BMB-890), * Added HD version to about info (BMB-895), * Updated splash screen (BMB-928), * Bug fix, removed default values from structure element Appliance\_FD (BMB-921), * Translation fix, Slovakian language (BMB-889). | HW1.0/HD 3.0 | Ver.1.10.14 | Fully supported  V.1.20.0.xxxx |  | Yes  Impact on functions:  -Leakage currents,  -Inspections. |
| 16 | 1.7.23.a36ff712 | 07.06.2021 | * Added Bluetooth initialization (BMB-805), * Added, new limit & custom entry @ Applied part leakage measurement (BMB-799), * Support for new touch screen controller (Goodix), * Bug fix (BMB-806). | HW1.0/HD3.0  New keys (1MIO switching) | Ver.1.9.11 | Fully supported  V1.17.0.xxxx |  | No |
| 15 | 1.7.14.bfd9423 | 26.11.2020 | * Bug fix (BMB-798 prolonged testing time interval at PRCD-S open conductor test) | HW1.0/HD2.0 | Ver.1.8.10 | Fully supported  V1.17.0.xxxx |  | No |
| 14 | 1.7.13.a99f57e | 14.05.2020 | * Bug fixes (BMB-786, BMB-787, BMB-789, BMB-790, BMB-792, BMB-795) | HW1.0/HD2.0 | Ver.1.7.9 | Fully supported  V1.16.0.xxxx |  | No |
| 13 | 1.7.10.b27724f | 10.02.2020 | * Support for optional tip commander A 1694, * Added NEN3140 calculator, * Modified search function (common search for ID/Name), * Direct Auto print (supported all types of labels format), * Added additional parameters to writing devices setup, * Upgraded Korean translation, * Modified German translation. | HW1.0/HD2.0 | Ver.1.7.9 | Fully supported  V1.15.0.xxxx |  | No |
| 12 | 1.6.13.12098 | 17.09.2019 | * Added new profiles: AOAV, AOAZ,AOBA, AOBB (Mebedo-CH), * aMESM, as a reading device removed from all Mebedo profiles. | HW1.0/HD2.0 | Ver.1.6.8 | Fully supported  V1.14.0.xxxx |  | No |
| 11 | 1.6.10.11472 | 06.03.2019 | * Speed up of data Download/Upload, * Upgrade of Black-box protocol (support for execution of single tests) + (Black-box password protection) * Enabling Auto save flow command inside memory organizer * Support for SmartScandy universal scanner * Support for new scanners,   Socket 7xx  (new generation of scanners)   * Modification of user interface for adding structure element * Modification of Memory organizer user interface for data saving and elements adding * Move structure element (Cut🡪Paste) functionality * Adaptation of UnLoad function according to the requirements of the latest version of standard VDE 0544-4, point 5.7, * Upgrade of Active Polarity function (wiring map), (Affects only Active 3-phase adapters A 1322/A 1422) * Added Italian language * Support for QWERTZ keyboard (Affects German profiles only) * Modification of user interface for adding custom limits + (extended list of functions enabling custom limits) * Bug fix | HW1.0/HD2.0 | Ver.1.6.8 | Fully supported  V1.12.0.xxxx | New feature implemented in Active Polarity function (support for different wiring combination of 3-phase cables) requires FW update of active 3-phase adapters:  A 1322 (FW:1.27)  A 1422 (FW:1.45) | Yes  Impact on functions:  -UnoLOAD,  -Active polarity |
| 10 | 1.5.9.11182 | 17.12.2018 | * Various bug fix | HW1.0/HD2.0 | Ver.1.4.6 | Fully supported V1.11.0.xxxx |  | No |
| 9 | 1.5.8.11053 | 29.11.2018 | * Complete support for BB & SDK, * Language pack upgrade, * Various bug fix, | HW1.0/HD2.0 | Ver.1.4.6 | Fully supported V1.11.0.xxxx |  | No |
| 8 | 1.4.13.10662 | 18.09.2018 | * Added new language CH-French * Various translation fixes * Support for BB & SDK (known bug, AutoSequences won’t work using BB protocol). | HW1.0/HD2.0 | Ver.1.4.5 | Fully supported V1.9.0.xxxx  Limited support  (some of the listed new functionalities have limited functionality)  V1.10.0.xxxx |  |  |
| 7 | 1.4.8.10245 | 22.06.2018 | * Various bug fix, * Fix on BT connection for BT scanners & printers. | HW1.0/HD2.0 | Ver.1.4.5 | Fully supported V1.9.0.xxxx  Limited support  (some of the listed new functionalities have limited functionality)  V1.6.0.xxxx |  |  |
| 6 | 1.4.6.10091 | 29.05.2018 | * German language translation upgrade, * Support for P-RCD (type S+), prolonged delay during P-RCD switch on from 5s to 8s, * Added Auto Sequence® Configurator, * Added Continuity Limit Calculator, * Added Polarity cross rule, * Bug fix on 3Ph power measurement. | HW1.0/HD2.0 | Ver.1.4.5 | Fully supported V1.9.0.xxxx  Limited support  (some of the listed new functionalities have limited functionality)  V1.6.0.xxxx |  |  |
| 5 | 1.2.6.9403 | 28.02.2018 | * Support for External Keyboard, * Implementation of test mode (standard/expert), * AutoSequence flow (Ends if fail/Proceeds if fail), * Dutch language translation upgrade, * Support for 110V CT system, appliance testing, * Modified Auto Save function, * Various bug fix. | HW1.0/HD2.0  (Support for 32MB RAM) | Ver. 1.3.4 | V1.6.0.xxxx |  |  |
| 4 | 1.0.16.8643 | 19.09.2017 | * Modified / Updated, Dutch translation. | HW1.0/HD1.0 | Ver. 1.3.3. | V1.5.0.xxxx |  |  |
| 3 | 1.0.12.8515 | 21.07.2017 | * Critical bug fix, the Continuity and RCD PE conductor tests can be interrupted and improperly concluded. | HW1.0/HD1.0 | Ver. 1.2.3 | V1.3.0.xxxx |  |  |
| 2 | 1.0.11.8489 | 17.07.2017 | * Critical bug fix, at RCD measurement. | HW1.0/HD1.0 | Ver. 1.2.2 | V1.2.0.xxxx |  |  |
| 1 | 1.0.9.8454 | 26.06.2017 | * First official FW release | HW1.0/HD1.0 | Ver. 1.1.1 | V1.1.0.xxxx |  |  |

**INSTALLATION PROCEDURE:**

The instrument can be upgraded from a PC via the RS232 or USB communication port. This enables to keep the instrument up to date even if the standards or regulations change. The firmware upgrade requires internet access and can be carried out from the ***Metrel ES Manager*** software with a help of special upgrading software – ***FlashMe*** which will guide you through the upgrading procedure. For more information refer to **Metrel ES Manager** Help file.

**COMPANY DATA:**

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