Last update: March 17.2023

Please note:
- To install the PVM Utility you need administrator rights on the PC!
- The PVM Utility is only available with an English user interface!
- This description differs slightly from the description in the OTT MF pro manual. Please proceed as described here!

Prepare update:
- Download the file "OTT_MF_pro_207_Firmware_Update.zip" to your PC.
- Unzip this file.

If not already done: install the "PVM Utility" (Software for updating the OTT MF pro):
- Start the file "setup.exe" in the directory "PVMSetup_1-6-0-0" -> the "InstallShield Wizard" (Installation program) opens.
- Follow the installation instructions on the screen.

How to update the OTT MF pro Firmware to Version 2.08:
Switch on the OTT MF prohandheld and choose the "Setup" | "USB" menu.
- Select the USB mode "CDC" and confirm with "OK".
- Start the PVM Utility by double-clicking the program icon.
- Connect the operating device and the PC with the USB connection cable.
- Click on "Connect" and then select the COM port used. After the connection has been established, the PVM Utility displays information about the OTT MF pro (serial number, etc.).
- Click on "Firmware update" in the "Views" window.
- In the "Meter" tab, click on "Browse" and select the "Firmware" directory (in "OTT MF pro 2.07 Update").
- Then select version 2.07 from the drop-down menu and click "Start" -> the update will start. During the update the display of the OTT MF pro is switched off. After successful completion a message appears on the PC screen, the OTT MF pro is automatically reset and restarted after a few minutes.

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Release Notes

V 2.08 (2023-03-17)

Bugfixes:
- - Corrected: for units without water level sensor, a system crash occurred during discharge measurements unter certain conditions.

V 2.07 (2022-11-11)

Bugfixes:
- Fixed: bug when opening a file in the file explorer menu. (System crash when trying to open a file on the second or higher page in the file explorer).
- Fixed: bug related to long file names in real-time mode.

V 2.06 (2022-03-09)

Bugfixes:

- Logfile check during startup revised. (In case of incorrect entries the system got stuck in an endless boot loop).
- Fixed: bug when updating entered distance values (discharge measurement).

V 2.05 (2021-05-27)

Bugfix: Firmware reset after a system crash revised. (Error in connection with "Channel Summary" / "Velocity profile" and low velocity readings.)

V 2.04 (2020-10-21)

Bugfixes

- Fixed: bug with backup files.
- Incorrect log entries corrected.
- Faulty column labels in the TSV output file corrected (affects measuring point at 70 % of depth).
- Faulty timestamp allocation when inserting or removing a new vertical corrected.

Firmware optimizations

- Added: "Division by 0" test in the measurement summary.
- Added: check if an inserted vertical position is before or after the existing position.
- Added: automatic y-axis scaling in the measurement summary; this improves readability at low velocities.
- Maximum value for manually entered depth values changed to 10.2 meter / 400 inch.
- Changed default cursor position when going to previous vertical: the cursor is now on "Back".
- Reworked: Romanian language of user interface.
- Added: additional maximum value for manual depth input (10.2 meter / 400 inch).

New functions

- Added: line indicator in the measurement summary to select verticals.
- Added: indicator for selected verticals in the measurement summary.

V 2.01 ... V 2.03

OTT internal versions; not published

V 2.0 (2018-11-14)

Menu structure

- Water level and measuring rods offset can be edited at any measuring perpendicular.

- The distance of the current perpendicular position to the cross-section zero point is shown on the display @x.xxx m).
- Extended space for name of operator and water body (23 characters).
- The name of the water body is automatically suggested as file name when saving.
- Dynamic adjustment of the scaling of the graphic for the v-distribution ("Verify" menu).
- Marking of the end of the measurement period in real-time mode with a long red line.

Measurement

- New speed methods added (2-point measurement according to KREPS, 1-point and 2-point ice measurement, 1-point surface measurement, 4-point measurement)
- Offset of 2 cm for recommended position of points close to the bottom added to ensure complete flow around the sensor
- Output file structure revised (e.g. marking of water level at each perpendicular, recording of measured sensor position, new v-methods added, mean flow velocity in measuring cross section added).

General

- Number of storable files in real-time mode increased to 50.
- Files can be deleted without the sensor being connected to the operator interface.
- Measurement data is stored internally. This makes it possible to continue the measurement at the same point after switching the instrument off and on again.

V 1.6.0.0 (2016-01-15)

Various graphical optimizations in the handheld's user interface

V 1.5.0.0

Internal OTT version (supports new LCDs; no update required for already delivered units)

V 1.4.0.0 (2015-06-08)

- Added measurement time for each station in summary report (data post-processing only in QReview versions above 3.00.5)
- Added audio beep to signal completion of velocity measurement in FPA mode
- Added bottom-up option for calculation of sensor immersion depth
- Expanded maximum entered depth for velocity only sensors
- Changed minimum required sensor immersion depth for 5and 6–point–velocity–methods to 4.4 cm (upper measurement point)
- Minor bug fixes

V 1.3.0.0 (2013-09-11)

- Resolution has been changed by default from two to three decimal places.
- This can be reversed via the menu.
- Various bug fixes