

Software update VEGAMET / SCAN

The software of VEGAMET/SCAN is divided in two parts, the '**Boot part**' and the '**Main part**'. The boot part is the software which is active during the update. An active boot part can be recognized by the error message 'E036'. If the boot part is active, the measured value processing is not operating, i.e. previously active measurements do not function during the updating process.

If the updating process is started via DTM, 'Software update' will be displayed on the instrument. The real instrument functions and the measured value processing are in the main part of the instrument software.

When switching on the instrument, first of all the boot part is active, this part checks if an executable main part is available in the instrument. If so, the main part will be started and the instrument operates as intended. The boot part remains active, if no executable main part will be found; the display outputs the error message 'E036'.

The boot part of the instruments can be also updated via the update function of the DTM. It also depends on the boot part if the update function can be started via the optional interfaces (RS232 or Ethernet).

Independent of the firmware version of the boot and main part, the software in the instrument can be updated via the I2C interface by means of a VEGACONNECT.

The following chart shows from which firmware an update is possible via the optional interfaces and also the names of the appropriate firmware files.

Software version		Interface			File name
		I2C	RS232	Ethernet	
1.10	Boot part	✓	✗	✗	Boot_1_10_00.m62
	Main part	✓	✗	✗	VEGAMET_1_10_00.m62
1.11	Boot part	✓	✗	✗	Boot_1_11_00.m62
	Main part	✓	✗	✗	VEGAMET_1_11_00.m62
1.20	Boot part	✓	✓	✗	Boot_1_20_00.m62
	Main part	✓	✓	✗	VEGAMET_1_20_00.m62
1.30	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_30_00.m62
1.40	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_40_00.m62
1.50	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_50_00.m62
1.51	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_51_00.m62
1.61	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_61_00.m62
1.62	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_62_00.m62
1.72	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_72_00.m62
1.73	Boot part	✓	✓	✓	Boot_1_30_00.m62
	Main part	✓	✓	✓	VEGAMET_1_73_00.m62
1.80	Boot part	✓	✓	✓	Boot_1_51_00.m62
	Main part	✓	✓	✓	VEGAMET_1_80_00.m62
1.90	Boot part	✓	✓	✓	Boot_1_60_00.m62
	Main part	✓	✓	✓	VEGAMET_1_90_00.m62
1.91	Boot part	✓	✓	✓	Boot_1_60_00.m62
	Main part	✓	✓	✓	VEGAMET_1_91_00.m62
1.92	Boot part	✓	✓	✓	Boot_1_60_00.m62
	Main part	✓	✓	✓	VEGAMET_1_92_00.m62

Software version		Interface			File name
		I2C	RS232	Ethernet	
1.93	Boot part	✓	✓	✓	Boot_1_60_00.m62
	Main part	✓	✓	✓	VEGAMET_1_93_00.m62

Update of instruments with software version 1.10 / 1.11

Instruments with software version 1.10 or 1.11 have not yet a software consisting of two parts, i.e. the boot part is not yet available. To update the software in these instruments, it is first of all necessary to install the current boot part in the instrument. The installation is carried out with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**Boot_x_xx_xx.m62**' (x_xx_xx stands for the appropriate SW-Rev, e.g.: **Boot_1_30_00.m62**)
After having updated the boot part, the instrument must be switched off and on again. Now the new boot part is active, an appropriate message is displayed. In a second step, the 'Main part' of the VEGAMET firmware can be now updated. The 'Main part' is updated like the 'Boot part' with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**VEGAMET_x_xx_xx.m62**'. (x_xx_xx stands for the appropriate SW-Rev, e.g.: **VEGAMET_1_30_00.m62**)

Update of instruments with software version 1.20

RS232 and instruments without optional interface:

With these instruments, an update is possible via the I2C interface by means of CONNECT. On the instrument with additional RS232 interface, this is also possible via this interface.

To update the software in these instruments, it is sufficient to write the new 'Main part' into the instrument.

The 'Main part' is updated with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**VEGAMET_x_xx_xx.m62**'.

Ethernet

With these instruments, an update is only possible via the I2C interface by means of CONNECT. An update via the Ethernet interface is not yet possible with this firmware version.

To update the software in these instruments, it is necessary to install the current boot part in the instrument. The installation is carried out with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**Boot_x_xx_xx.m62**'.

After having updated the boot part, the instrument must be switched off and on again.

Now the new boot part is active, an appropriate message is displayed. In the second step the 'Main part' of the VEGAMET firmware can be updated.

The 'Main part' is updated with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**VEGAMET_x_xx_xx.m62**'.

Update of instruments with software version >= 1.30

RS232 and instruments without optional interface:

With these instruments, an update is possible via the I2C interface by means of CONNECT. On the instrument with additional RS232 interface this is also possible via this interface.

To update the software in these instruments, it is sufficient to write the new 'Main part' in the instrument.

The 'Main part' is updated with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**VEGAMET_x_xx_xx.m62**'.

Ethernet

With these instruments, an update is possible with the I2C interface by means of CONNECT. On the instrument with additional Ethernet interface this is also possible via this interface.

To update the software in these instruments, it is sufficient to write the new 'Main part' in the instrument.

The 'Main part' is updated with the DTM under the context menu 'Add'l functions' => 'Update instrument software'. The required file is called '**VEGAMET_x_xx_xx.m62**'.