Release Notes

EasyNOx – NOx Monitoring

New Software – Release 1.4.3

As of now all EasyNOx devices are delivered by MOTORTECH with software version 1.4.3.

To update an EasyNOx, please read the chapter *Software Update* in the latest version of the operating manual, which can be downloaded at www.motortech.de.

Download

The new EasyNOx software and the latest operating manual can be downloaded at the following link (approx. 40 MB):

http://www.motortech.biz/downloads/MOTORTECH-SoftwarePackage-EasyNOx-FW-1-4-3.zip

New Functions and Modifications

Release 1.4.3 – 2021/01/18

NOx monitor

- Bugfix: In the *NOx Trends* view, the displayed chemical formula and unit of an entry in the legend was corrected.
- New function: The available setting range of the charging pressure threshold now adapts itself to the scaling of the manifold pressure sensor.

I/O communication module BPlus

- Bugfix: If the value range is exceeded, the analog output outputs 20 mA now.

New Functions and Modifications

Release 1.4.2 – 2020/12/08

NOx monitor

- Bugfix: Restart from the *Display Configuration* view works properly again.
- Bugfix: In *NOx Monitoring* view color background of LCD displays in case of faulty signal corrected.
- Bugfix: Detection of continued normal operation when MAP signal is faulty fixed.
- Bugfix: Value gaps in the *NOx History* view are now displayed correctly.
- Bugfix: All detected errors or manipulations on the NOx files are now indicated.
- Bugfix: Miscalculation of hours at the turn of the year fixed.
- New function: Country-specific date formats are now used in the *NOx Export* view.
- New function: The serial numbers of the SD card, the CAN bus modules and the NOx sensors are now monitored.
- New function: A message box appears if a report is to be generated and no operator data has been specified.
- New function: In the *NOx Monitoring* view, the color gradient and the end value of the analog NOx display now adapt to the configured thresholds.
- New function: Predefined filtering of NOx and O_2 raw values
- New function: Display of O_2 trend in the *NOx Trends* view
- New function: SD card errors are registered in the logbook.
- Update: The input of the constants *K* and *KNO2* has been limited to 2 decimal places.
- Update: For better differentiation, the line width in the *NOx Trends* view has been widened.

General

- Bugfix: Software dongles could not be backed up.
- Bugfix: A crash could occur when adding software dongles.

Release 1.4.1 – 2020/08/06

NOx monitor

- Bugfix: Missing translations in the logbook corrected.
- Bugfix: Data compression of the current day in the annual log and in the PDF report removed.
- New function: Saving and loading of NOx monitor configuration files
- Update: Online help updated.

I/O communication module BPlus

- Bugfix: Analog output scaled. 0 mg/Nm³ to 1,000 mg/Nm³ corresponds to 4–20mA.

Release 1.4.0 – 2020/08/03

Release 1.3.00001 – 2020/08/03

NOx monitor

- New function: The logbook input dialog now additionally displays the locked entries and allows the user to log in with a higher level when selecting a locked entry.

General

- Bugfix: Fixed some minor bugs in the function mapping.

Release 1.3.00000 – 2020/07/27

NOx monitor

- New function: Two new NOx monitoring modes, *Load via CANopen* and *Start/Stop via CANopen*, available.

General

- Bugfix: SDO heartbeat timeout set from 1 second to 2 seconds.
- New function: Device profile CiA 401 added.
- New function: Device *BPlus* (I/O communication module) added.
- New function: Function mapping of analog and binary inputs and outputs implemented.
- New function: The general error and warning output of the EasyNOx can now be diverted to devices with CiA-401 profile.

Release 1.2.1 – 2020/07/09

NOx monitor

- Bugfix: Separation of normal operation detection and NOx averaging
- Bugfix: One hour offset at day change fixed.
- New function: Added minimum temperature monitoring for thermocouples.
- New function: In the *NOx Thresholds Settings* view, the NOx monitoring parameters are disabled if no serial number is specified.
- New function: Load signal input on CAN bus module
- New function: MAP values are displayed as trend.
- New function: All NOx monitor views are automatically exited after a timeout.
- New function: Scaling of MAP sensor implemented.

- New function: Logbook entries filter extended.
- Update: Display of historical values optimized.

General

- New function: EasyNOx online help added.
- Update: No logging of the *Operator* access level login in the *Events* view
- Update: Main menu button *Recordings* with smaller text

Release 1.2.0 – 2020/06/17

Test Release 1.1.00002 – 2020/06/17

NOx monitor

- Bugfix: The logbook now checks that an SD card is inserted in the EasyNOx.
- Bugfix: Several minor bugs fixed.
- New function: The operator information has been added to the report.

General

- Update: Screenshot function integrated.
- Update: User interface style sheet revised.

Test Release 1.1.00001 – 2020/06/10

NOx monitor

- New function: The logbook was added.
- New function: The signing of the report was added.
- Update: The report was improved.

Test Release 0.1.00004 – 2020/05/28

NOx monitor

- Bugfix: Fixed an error that caused the online display of the second NOx monitor to be displayed inversely.

Test Release 0.1.00003 – 2020/05/19

NOx monitor

- New function: Different arrangements of the thermocouples are supported.
- New function: The NOx monitoring report was added.
- Update: The trend page is now accessed through the *NOx Monitoring* view.
- Update: The display format of the normal operation hour counter and the failure hour counter has been changed.

General

- Update: The configuration and service PDFs now also list the NOx configuration values.

Test Release 0.1.00002 – 2020/05/07

NOx monitor

- Bugfix: An error in the handling of the dew point was fixed.

Test Release 0.1.00001 – 2020/05/05

NO_x monitor

- New function: The NO_x sensor status was added.

Test Release 0.0.1 – 2020/04/20

- Initial version

Known Issues

All Versions

- After deleting devices in the device configuration, in certain cases they can only be added back to the device configuration after the EasyNO_x has been restarted.