Performance check of NOx emulator NOXEM 129 | 130

After installing the NOx emulator and coding of new NOx sensor and NOx catalytic converter, you can check the performance of NOx emulator, if needed.

Turn on the engine and **heat it to work temperature.**

Start driving. **Check your car's engine temperature:** ../F5/F2/F6.
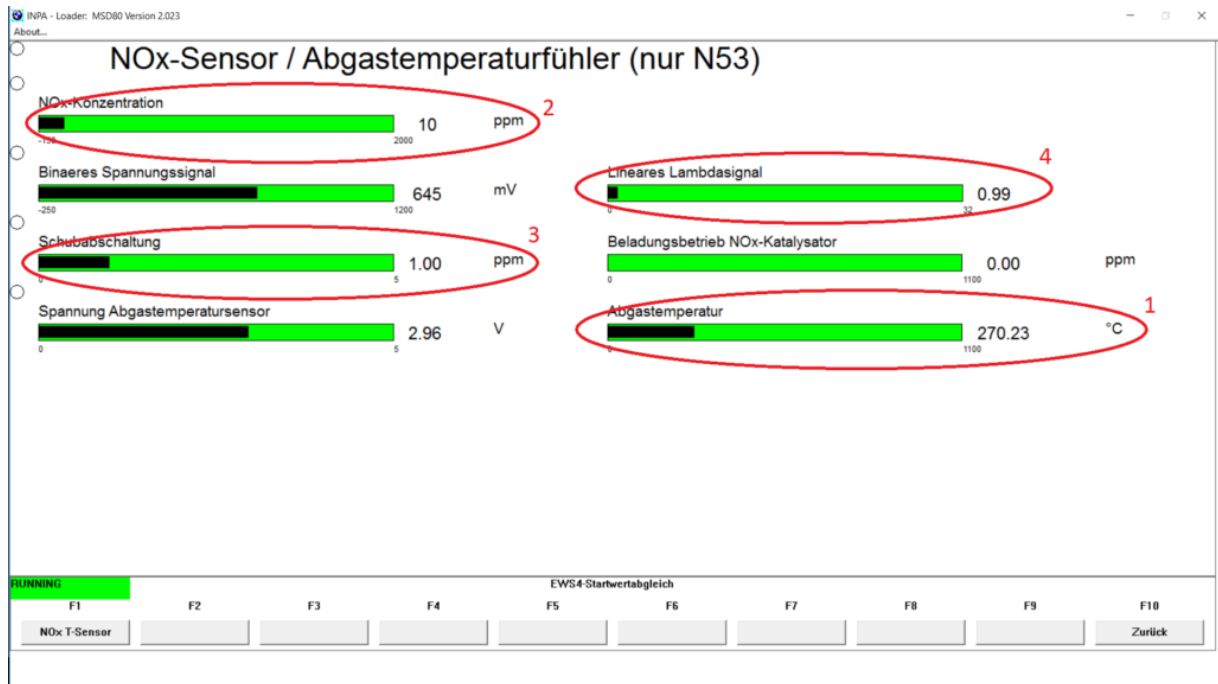

After few minutes of driving temperature **should be 95 .. 105 oC.**

Open menu of NOx concentration / exhaust temperature:

- ../F5/Shift+F2 INPA with MSD80 loader 1.01
- ../F5/Shift+F2/F1 INPA with MSD80 loader 2.023

Heat up the exhaust system till (at least) 220 oC (bar No.1 in the image).

Note: conditions (engine and exhaust system temperature readings) mentioned above **are compulsory requirements** for normal operation of NOx emulator.

Drive your car with speed at least 20 km/h.

Approximately **one minute after the temperature of exhaust gases reach 220 oC** (Bar No.1 in the image), the NOx emulator will switch on:

- the concentration of NOx (Bar No.2 in the image) will become different from 0 ppm;
- Lambda value (Bar No.4 in the image) will display the amount of oxygen measured in the exhaust.

Pay attention to Offset value in Overrun mode (Bar No.3 in the image): it will be from 0 to 5 ppm, typically: 1 .. 3 ppm.

If the above mentioned matches your situation – the NOx emulator performs as it supposed to!