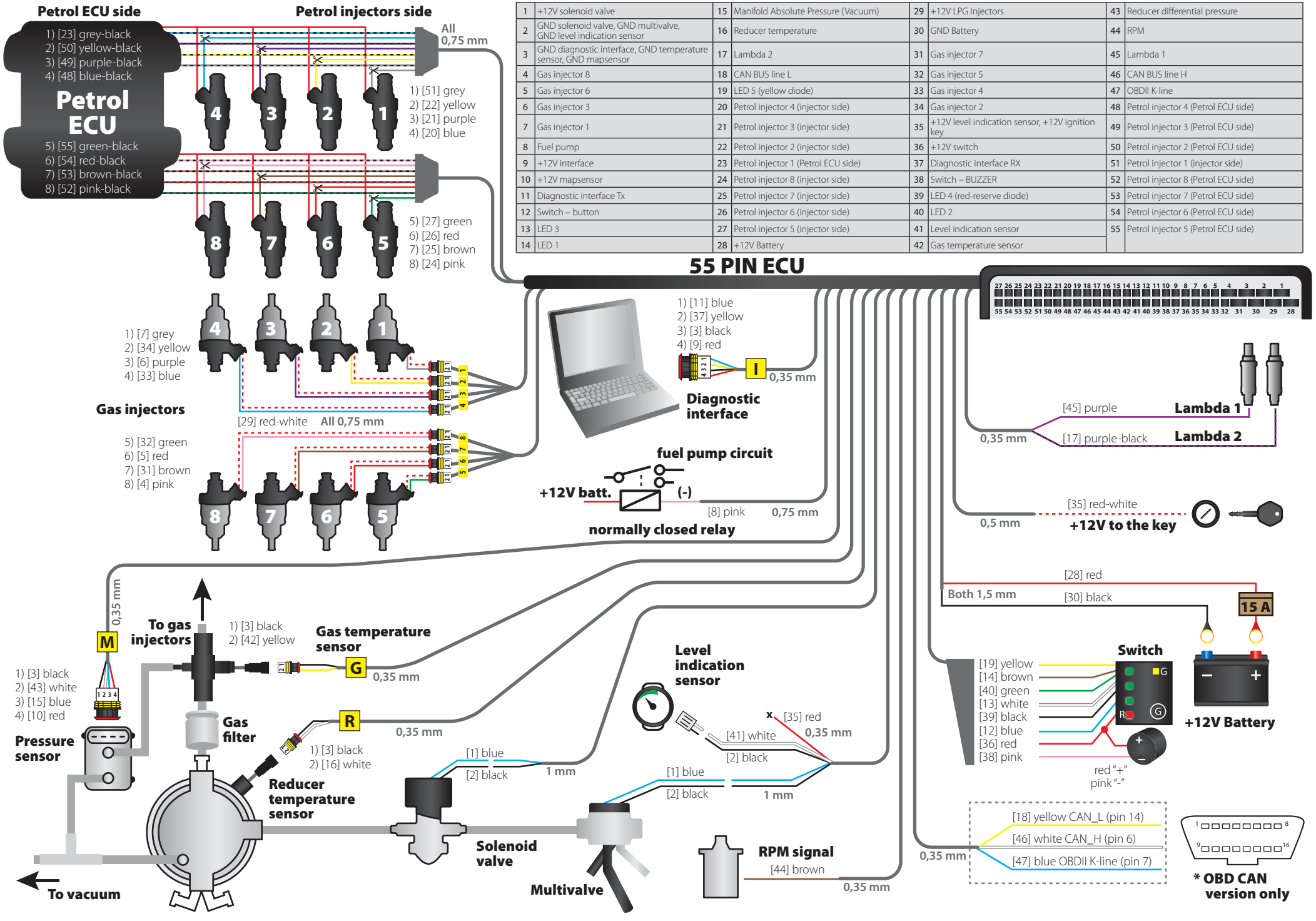
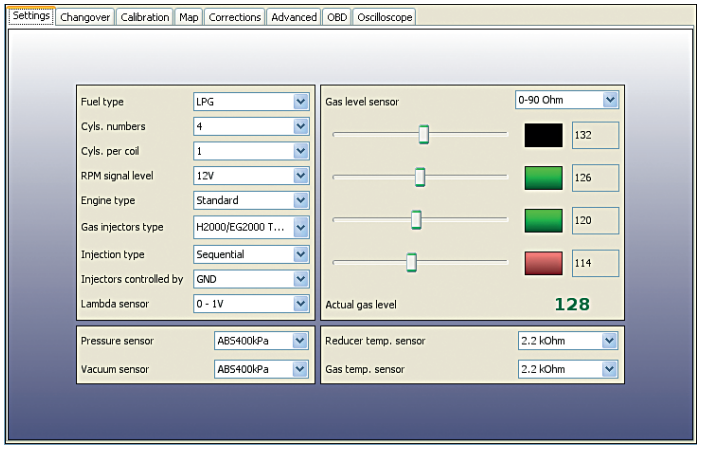


1	+12V solenoid valve	15	Manifold Absolute Pressure (Vacuum)	29	+12V LPG Injectors	43	Reducer differential pressure
2	GND solenoid valve, GND multivalve, GND level indication sensor	16	Reducer temperature	30	GND Battery	44	RPM
3	GND diagnostic interface, GND temperature sensor, GND mapsensor	17	Lambda 2	31	Gas injector 7	45	Lambda 1
4	Gas injector 8	18	CAN BUS line L	32	Gas injector 5	46	CAN BUS line H
5	Gas injector 6	19	LED 5 (yellow diode)	33	Gas injector 4	47	OBDII K-line
6	Gas injector 3	20	Petrol injector 4 (injector side)	34	Gas injector 2	48	Petrol injector 4 (Petrol ECU side)
7	Gas injector 1	21	Petrol injector 3 (injector side)	35	+12V level indication sensor, +12V ignition key	49	Petrol injector 3 (Petrol ECU side)
8	Fuel pump	22	Petrol injector 2 (injector side)	36	+12V switch	50	Petrol injector 2 (Petrol ECU side)
9	+12V interface	23	Petrol injector 1 (Petrol ECU side)	37	Diagnostic interface RX	51	Petrol injector 1 (injector side)
10	+12V mapsensor	24	Petrol injector 8 (injector side)	38	Switch – BUZZER	52	Petrol injector 8 (Petrol ECU side)
11	Diagnostic interface Tx	25	Petrol injector 7 (injector side)	39	LED 4 (red-reserve diode)	53	Petrol injector 7 (Petrol ECU side)
12	Switch – button	26	Petrol injector 6 (injector side)	40	LED 2	54	Petrol injector 6 (Petrol ECU side)
13	LED 3	27	Petrol injector 5 (injector side)	41	Level indication sensor	55	Petrol injector 5 (Petrol ECU side)
14	LED 1	28	+12V Battery	42	Gas temperature sensor		

Step 1. Settings Panel



1.1 Set **Fuel type** on which car is running.

1.2 In **Cyls number** field please set number of cylinders in the car.

1.3 Set proper value of **Cyls per Coil** – how many cylinders we have for 1 ignition coil (to get proper value of RPM).

1.4 Set proper value of **RPM signal level** (usually 12V if signal is taken from ignition coil).

1.5 Set **Engine type**: STANDARD or TURBO to have proper vacuum range on the map.

1.6 Set proper **Gas injectors type**.

1.7 For cars with injectors controlled by full group strategy (all injectors controlled by single signal) change the **Petrol injection type** from Sequential to Full group.

1.8 Only for cars with petrol injectors controlled by positive pulse please change the value **Injection controlled by** to „+".

1.9 Set proper **Lambda sensor** type, if connected.

1.10 In case of using a **Pressure/Vacuum sensor, Reducer temperature sensor** or/and **Gas temperature sensor** different from standard ones (*ABS400kPa* and *2.2kOhm* type sensors, which are provided with the ECU set and set as default types) please change sensor type in a proper field.

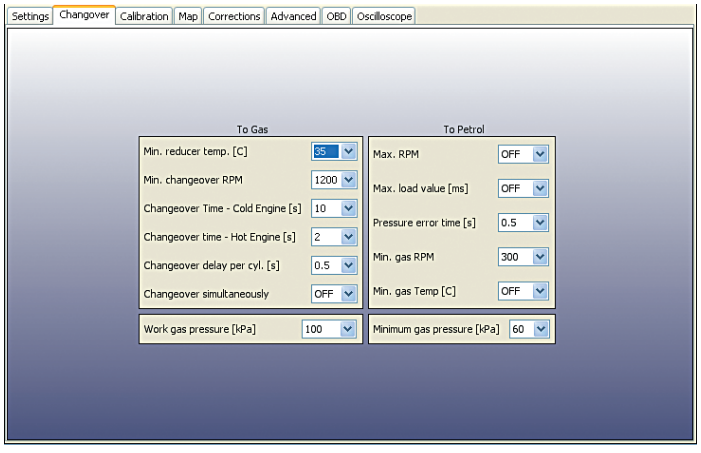
1.11 Select proper **type of gas level indication sensor/pressure gauge** installed.

Step 2. Changeover Panel

2.1 Set desired parameters for system change over **To Gas** and **To Petrol**.

Attention!
For full-group controlled cars please set **Changeover delay per cyl. [s]** to "0.0" s. and **Changeover simultaneously** to "ON" before running auto-calibration.

2.2 The **Working and Minimum gas pressure** values will be updated automatically after autocalibration. In case of manual change of reducer's pressure these values must be updated every time.

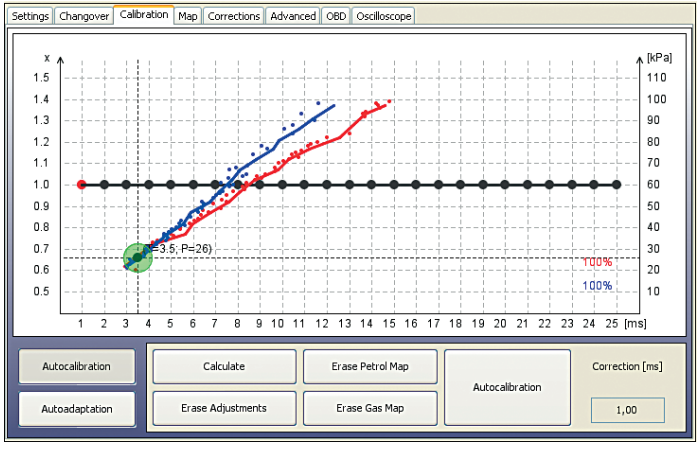


Step 3. Calibration Panel (auto-calibration on idle)

3.1 Wait for the reducer to reach temperature of 50 C degree. The engine should be running on idle revs, on petrol. Air-conditioning must be turned off.

3.2 Press **Autocalibration** button and follow the instructions displayed during autocalibration process.

3.3 If *Correction [ms]* value after autocalibration will be within safe margins <**0.5 ms – 2.5 ms**> erase the petrol map and gas map. If not, please change the injectors type (or nozzle size) or change gas pressure value according to programs suggestion and go back to *point 3.1*.



Step 4. Calibration Panel (self-adaptation during the drive)

4.1 Go for a drive to collect petrol and gas maps in full range of loads (drive until 100% of both maps will be collected).

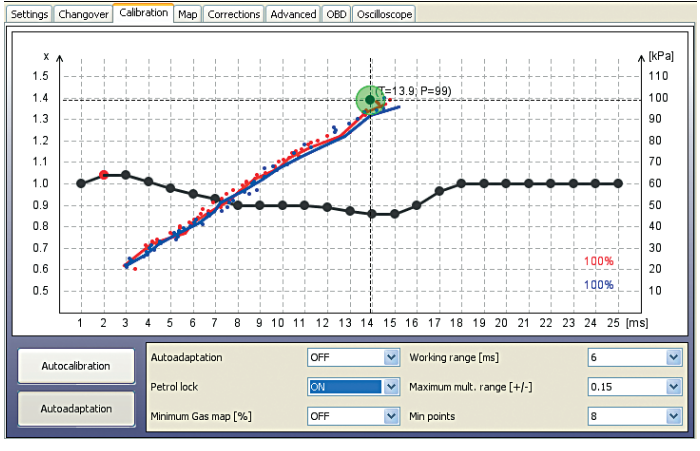
4.2 If petrol and gas maps are not close enough to each other, press **Calculate adjustments** button.

4.3 Press **Erase gas map** button and collect 100% of new gas map.

4.4 If both maps still are not close enough, You can do manual correction by moving multiplier line points and then go back to ***point 4.3***.

If we don't do manual multiplier adjustment correction, we can go back to ***point 4.2***.

4.5 * If maps are close enough to each other You may turn **Auto-adaptation** feature ON to prevent them from growing apart.



If everything has been installed properly, 4 steps mentioned above should guarantee proper driving on both fuels. In more sophisticated cars there may be necessity of using features located in „Map", „Corrections", Advanced" and „OBD" bookmarks. To learn more details refer to the User's Manual located in "docs" folder attached to the software (Press "Help" bookmark to open that folder).