LCU-One Lambda Controller

Full control of your engine

LCU-One Lambda controller range of products allow you to perfectly tune the carburation of your engine as well as keep it at its best, appreciably improving your car performance. All LCU-One lambda controllers use a wide band Bosch LSU 4.9 probe as they can therefore be very useful for engine tuning. Through the analysis of the remaining oxygen, LCU-One points out possible oxygen excess/deficit in the carburation, providing an essential information for 4-stroke engines: configurability of Stoichiometric ratio allows LCU-One to be used on petrol powered engines as well as on diesel or on alternative fuel (Bio Fuel, ethanol) powered ones.

Three variants for all your needs

LCU-One range is available in three different versions:
- **LCU-One CAN**: uses a CAN bus and is extremely easy to install.
- **LCU-One Analog**: uses a serial line for programming and an analog output proportional to lambda value.
  To be even more user-friendly, these two versions of LCU-One switch on/off together with the logger.
- **LCU-One CAN + Analog**: is equipped with both CAN bus and analog output.

All the data you need at your fingertips

**LCU-One CAN**
- CAN connection
- The product configures Stoichiometric point and provides:
  - Lambda value and Air/Fuel ratio
  - Lambda probe temperature and diagnosis

**LCU-One Analog**
- The product provides Lambda value and Air/Fuel ratio and - thanks to the dedicated lambda Configurator software, LCU-One Analog allows to configure:
  - Stoichiometric point
  - Analog output (0-5 Volt)

**LCU-One CAN + Analog**
- The product configures:
  - CAN connection + Analog output
  - Stoichiometric point
- LCU-One CAN + Analog also provides:
  - Lambda value and Air/Fuel ratio
  - Lambda probe temperature and diagnosis