



**DIGITECH**

User Manual

# **Fuel Mixture Display Module for Cars**

AA-0374

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## Technical Specifications:

- Power: 12VDC
- Dimensions: 81(L) x 51(W) x 22(H) mm

## Instructions:

- Read through all the instructions before using the module.
- Connect the module according to the wiring diagram. Incorrect wiring will damage the module and your vehicle if you connect it in the incorrect polarity.
- The easiest way of calibrating the module is on the road, but is not appropriate for a car that is heavily modified. For a modified car, use a chassis dyno.
- Calibrating on the road: with an assistant in the passenger seat and with the engine up to operating temperature, drive at a constant speed with a steady throttle opening. The lit LED should start oscillating up and down the display, as the ECM makes the mixtures alternatively rich and lean in closed loop operation. Adjust the trimpot VR1 so that the oscillations in either direction are symmetrical around the middle LED. It is now ready for use.

NOTE: At idle, the mixture display should again show the closed loop oscillations.

- Calibrating on a car that is heavily modified: in-car calibration can still be done with the proviso that the mixtures may be all wrong to start with. The safest approach is to use a chassis dyno and an exhaust gas analyzer so that the mixture display can be calibrated according to the gas analyser's readout.
- LEDs can also be attached to the module with fly leads if you would like to integrate it into your vehicle's dashboard.

## Notes:

- Never get any part of the module wet.
- Never attempt to open, modify or repair any part of the module.

# Wiring Diagram:

