



ProECU Mitsubishi Diesel



Live Data Guide
2005-onward Model Year

v1.2

Live Data Display

ProECU Mitsubishi Diesel provides the following Live Data parameters:

RPM

Engine speed. (Revolutions Per Minute). (Typical values up to 4300rpm)

Fuel quantity final (mm³/st)

The final amount of Injection Quantity Injected. (Typical values up to 100mm³/st)

Fuel quantity smoke limit (mm³/st)

The maximum allowed Injection amount though only enforced under certain conditions like low RPM, transient throttle and suspected loss of turbo boost pressure (Typical values up to 80 mm³/st).

Fuel quantity start (mm³/st)

Not used at present.

Fuel quantity pilot (mm³/st)

The fuel quantity amount injected before the main injection phase. (Typical values up to 2.3 mm³/st)

Fuel injection timing main (°CA)

The crankshaft angle where the fuel injection cycle begins at. (Typical values up to 25 degrees)

Fuel injection interval pilot (µs)

The Interval period between Pilot and Main injection phases. (Typical values up to 1.5 microsecond)

Turbo Boost Pressure

This is the current boost pressure as measured by the 3 BAR MAP sensor. Pressure is shown as Absolute. (Typical values up to 2.0bar or 2.3bar if boost is increased).

AFS (mg)

The Intake Airflow amount from the AFM in milligrams. (Up to 1700mg)

Charge Air Temperature

Located in the Inlet Manifold and shows the TRUE air temperature entering the engine. Only used by the ECU for light throttle fuel trim, but it is an extremely useful parameter to use to analyse the Intercooler efficiency and possible knock problems due to a high Charge Air Temps. (Typical values up to 50 deg C)

Fuel Pressure

Actual Fuel Rail Pressure (typical values up to 180MPa).

Coolant (°C)

Current coolant temperature, value is shown in °C.

EGR valve position (%)

Exhaust Gas Recirculation valve position in % (typical values up to 100%).

TPS (°)

Throttle Butterfly Position as driven by the Electronic Throttle Control (84 Degrees is fully open)

APS Main (%)

Accelerator Pedal Position (up to 100% is fully open)