

Instrument Mode on Engine Management systems

On each of the Engine management systems in the Nanocom Evolution is an Instrument mode which allows the Nanocom Evolution to be connected and used as an on board Instrument giving various live data values.

Listed below are the different values available for each ECU.

Defender and Discovery II TD5 as these are the same ECU the settings are the same for both.

Screen 1

Engine Speed - Road Speed - Coolant temp - Turbo Pressure – Battery Volt.

Screen 2

Ambient Pressure - Air Flow - Air Inlet Temp. - Fuel Temp.

Screen 3

Cyl. 1 – 5,

Screen 4

Accel. Track 1 - Accel. Track 2 - Accel. Track 3, - Accel. Supply

Screen 5

Idle Speed error - EGR Inlet - EGR mod. - Wastegate

There is also a Setup option which allows you to set up a Coolant warning and set the Tyre coefficient.

PUMA Defender 2.4 Engine

Screen 1

Engine Speed – Road Speed – Coolant temp – Turbo Sensor – Battery Voltage

Screen 2

Ambient Pressure - Air Flow - Air Inlet Temp - Fuel Temp - Rail press. - Rail Sens.

Screen 3

Accel. D – Engine Load – Accel. E – Fuel Req

Screen 4

EGR – Module Volt – Eng, Idle Speed – Turbo press.

There is also a Setup option for a Coolant warning and Tyre coefficient

Motronic V8 for Discovery II and P38 as these are the same ECU the settings are the same for both.

Screen 1

Engine Speed - Road Speed - Coolant temp – Engine Load

Screen 2

Air Load – Idle Air – Idle Load Air – O2 sensor test

Screen 3

Missfire Cylinders 1 – 8

Screen 4

Set up option for Coolant warning and Tyre coefficient

P38 GEMS Instrument

Screen 1

Engine Speed – Road Speed – Coolant Temp – Battery

Screen 2

Intake Air Temp – Adaptive Airflow – Current Airflow

Screen 3

Bank 1 – Loop status – Pre Cat O2 Sensor – Post Cat O2 sensor – Fuel Trim long term – Fuel trim short term

Screen 4

Bank 2 – Loop status - Pre Cat O2 Sensor – Post Cat O2 sensor – Fuel Trim long term – Fuel trim short term

Screen 5

Instrument set up – Coolant warning – Tyre coefficient

P38 EDC Instrument

Screen 1

Engine Speed – Road Speed – Coolant Temp – Boost Pressure – Battery

Screen 2

Ambient pressure Fuel Temp – Inj. Actual Deg – Timing Mod – Throttle Position – Throttle Volts

Screen 3

Instrument setup – Coolant warning – Tyre coefficient