

Engine management system trijekt premium



The engine management system for gasoline and gas engines up to 8 cylinders

special feature

trijekt premium is nearly 100% pin compatible with ME7 control devices, used in many VAG vehicles (1.8 T, R32, W8, RS4, RS6). You can realize a "plug and play" solution with just a few changes at your standard vehicle wiring harness. For more information, please contact your sales representative.

Technical Data

Inputs

- rpm measurement via induction- or hall-sensor
- measurement of upper dead centre via induction- or hall-sensor
- lambda sensor
- 2x throttle pot
- air-mass sensor
- air-pressure sensor
- engine temperature sensor
- air temperature sensor
- integrated air pressure sensor
- gear shift
- 2x LSU4.9 wideband lambda sensor (1x in series, 1x optional)
- 6x digital function input
- 4x exhaust gas temperature
- 4x wheel speed
- 2x knock sensor (optional) *

Interfaces

- serial interface RS232
- CAN-Bus

Size

- about 180 x 110 x 40mm

Outputs

- 8x injection valve
- 8x ignition output (for external drivers)
- 4x integrated ignition drivers (optional)
- fuel pump relay
- idle control
- boost pressure control valve
- tachometer
- 10x programmable output
- fly-by-wire-throttle (optional)
- stepper motor (optional)
- unused outputs can be used as freely programmable outputs

Data logger

- 4MB integrated Data logger

Casing

- high quality waterproof aluminum casing
- 121-pole split main plug

* software in preparation

Software & Functions

- a variety of connection of series components
- semi- and fully sequential, map controlled ignition and injection
- 4x programmable special function
- various rpm measurement possibilities
- extensive logical functions for switching outputs and error memory
- lambda control
- self adaptive
- air mass measurement via:
 - alpha/n
 - intake manifold pressure
 - air-mass sensor
- boost pressure control
- idle control
- launch control