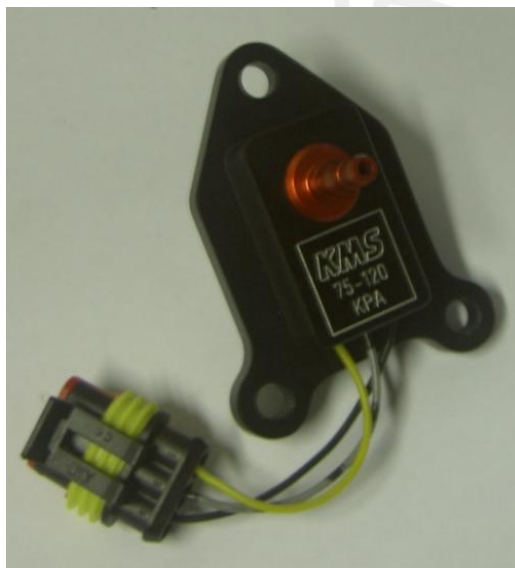


KMS

KMS pressure sensor 75-120 kPa

Part nr: 01-01-07-0014



Kronenburg Management Systems

This document contains detailed information about the KMS pressure sensor 75-120 kPa. Additional information, user manuals, wiring examples and software can be found on our website: <http://kms.vankronenburg.nl> or on the software CD included with the ECU.

KMS pressure sensor 75-120 kPa can only be used at naturally aspired cars (for example: airbox pressure measurement). Don't use it as a MAP sensor on turbo/supercharged engines because of the maximum of pressure that the sensor can handle. Make sure that you don't exceed 160 kPa of pressure, it will cause permanent damage to the pressure sensor.

Contents of the package:

- KMS Pressure sensor 75-120 kPa
- 3P contra connector superseal
- KMS pressure sensor 75-120 kPa manual

Specifications:

- Temperature-compensated
- Ratio metric output
- Max range 120 + 40 kPa absolute
- Sensor cell resistive to fuels (incl. diesel) and oils such as engine lube oil

Wiring:

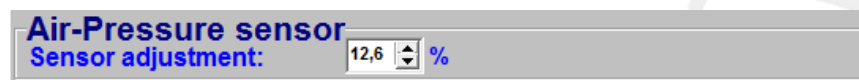
- Yellow: +5V supply from ECU
- Grey/black: signal (0-5V). Connect to ECU.
- Black: sensor ground. Connect to sensor ground of ECU.



Software settings:

Only connect the KMS pressure sensor to the KMS ECU's as an external pressure sensor. Make sure that the option 'Map Sensor' is set to 'on' (MP25 only) and the 'Air-Pressure compensation' is set to 'ext.' (options (F4) → Hardware configuration).

The pressure sensor output is already calibrated with the KMS ECU's, so the 'pressure at map outputs' don't have to be set up. Users only need to calibrate the 'sensor adjustment' (options (F4) → Engine load sensor) to achieve a correct barometric air pressure for each application.



WARNING: There are two types of the KMS pressure sensor 75-120 kPa; with a red hose connection or a silver hose connection. These have different 'sensor adjustment' values; pressure sensors with a red hose connection have a sensor adjustment of about 0%, and pressure sensors with a silver hose connection have an approximate sensor adjustment of 12,6%.