

AGS-200

EXHAUST GAS ANALYSER FOR PETROL ENGINES



OIML R 99 - ISO 3930 CLASS 0
ELECTROMAGNETIC CLASS E2
DIR. 2004/22/EC - MID

AGS-200

Exhaust gas analysis module with infrared rays, to link up to the PC's serial port. Its **small size** and **12 V d.c power supply** mean it can be used as a portable tool in situations where this is necessary.

OPERATING MODES

CARBURATION CURVE

It automatically memorises the value of the gases at different engine revolutions and displays the carburation curve. Particularly recommended for road tests or tests with power test bench.

AUTOMATIC DIAGNOSIS

The software compares the gas values and provides the operator with a list of possible causes of the engine's poor functioning.

CATALYTIC CONVERTER EFFICIENCY

The software guides the operator through the test and provides the catalytic converter's percentage efficiency each gas analysed both before and after the said converter.

DOUBLE LAMBDA SENSOR TEST

Using the oscilloscope function it analyses the variations in the signal and provides an operating efficiency value.

CYLINDER-HEAD TIGHTNESS TEST

The software guides the operator through the test and by analysing the gases inside the cooling liquid bottle is able to establish whether there are any infiltrations from the cylinder-head gasket.

HEATING EFFICIENCY TEST

By memorising the values of the gases for 30 minutes, the software is able to establish whether the auxiliary starter elements and temperature elements are working correctly.

MEASURING FIELDS

| | | | | | |
|-----------|-----|---|-------|----------|------------|
| CO | 0 | ÷ | 9.99 | % | RES. 0.01 |
| CO2 | 0 | ÷ | 19.9 | % | RES. 0.1 |
| HC HEXANE | 0 | ÷ | 13999 | PPM | RES. 1 |
| O2 | 0 | ÷ | 24.99 | % | RES. 0.01 |
| NOX | 0 | ÷ | 4999 | PPM | RES. 10 |
| LAMBDA | 0.5 | ÷ | 2 | | RES. 0.001 |
| REVS | 300 | ÷ | 9990 | REVS/MIN | RES. 10 |
| OIL TEMP | 20 | ÷ | 150 | °C | RES. 1 |

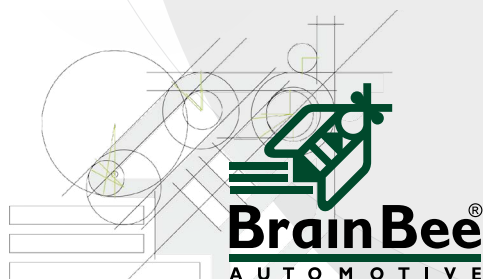
TECHNICAL FEATURES

| | |
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| MEASURING BENCH | AMB2 SENSORS |
| MEASURING GAS SUCTION | 4 L/MIN. |
| CONDENSED WATER PURGE | AUTOMATIC AND CONTINUOUS |
| TIGHTNESS TEST | SEMIAUTOMATIC |
| FLOW CONTROL | AUTOMATIC |
| CONTROL OF SPENT O2 SENSOR | AUTOMATIC (< 5MV) |
| PROTECTIVE FILTERS FOR GAS/WATER PUMP HEADS, | INTERNAL |
| AUTOMATIC COMPENSATION OF AMBIENT PRESSURE | 850 ÷ 1060 KPA |
| CALIBRATION | WITH SAMPLE GAS BOTTLE |
| AUTOZERO | AUTOMATIC |
| HEATING TIME TO 20 °C | 10 MIN. MAX |
| CO, CO2 E HC RESPONSE TIME | < 10 SEC. |
| O2 RESPONSE TIME | < 60 SEC. |
| PRINTER | NO |
| DISPLAY | NO |
| CONNECTIONS | RPM READING VIA INDUCTIVE OR CAPACITIVE CLAMP |
| | PT100 (DIN43760) OIL TEMPERATURE PROBE INPUT |
| | RPM/OIL TEMPERATURE READING VIA 433 MHZ RADIO RECEIVER |
| | SERIAL NETWORK LINK RS 485 |
| | SOFTWARE PROGRAMMING/UPDATE VIA RS-232 |
| POWER SUPPLY | 12 VDC TYP (11-15VDC) |
| POWER CONSUMPTION | 1.5 A |
| OPERATING TEMPERATURE | 5 ÷ 40 °C |
| DIMENSIONS | 220 X 140 X 430 MM |
| WEIGHT | 5 KG |

HOMOLOGATIONS

TYPE APPROVED MID (MEASURING INSTRUMENT DIRECTIVE)
2004/22/CE NMI 0122 B+D
CE MARKING SUPPLEMENTARY METROLOGY MARKING

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COLOMBIA, GERMANY, INDIA, ENGLAND, ITALY, NETHERLANDS, PERU,
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