

# 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

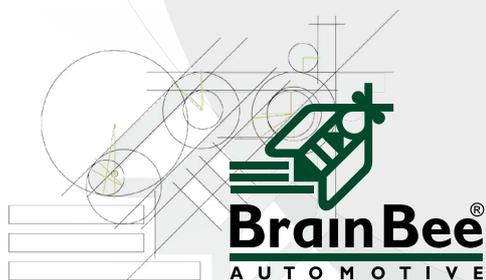
# TECHNICAL FEATURES

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

FURTHER APPROVALS IN THE FOLLOWING COUNTRIES: AUSTRIA, BULGARIA,  
COLOMBIA, GERMANY, INDIA, ENGLAND, ITALY, NETHERLANDS, PERU,  
PORTUGAL, RUSSIA, HUNGARY



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