

IT SIMPLY WORKS.

# AGS-690

// EXHAUST GAS ANALYSER



#### Key features of BRAIN BEE Emission Line:

- + Modularity: you can configure your station by choosing BRAIN BEE instruments (or others), connecting them to the PC station
- + Open system: compatible with all common commercial software and hardware systems
- + Plug and play solution: we fully configure and test all our exhaust examination testers
- + Extreme measurement precision
- + Approved by several national regulations (in continuous development)

**THE AGS-690 SAMPLES THE EXHAUST GAS FROM THE EXHAUST PIPE USING THE PROBE. THANKS TO THE INTERACTION WITH THE SPECIFIED BRAIN BEE OMNIBUS-800 SOFTWARE, USERS BENEFIT FROM ALL THE FEATURES OF THE ANALYSER. IN ADDITION, THE USER CAN EASILY SWITCH FROM ROUTINE MEASUREMENTS TO THE LEGALLY SPECIFIED TEST.**

**THE DEVICE FUNCTIONS BY MEASURING THE DEGREE TO WHICH THE GAS IN THE SAMPLE ABSORBS INFRARED RAYS DURING ANALYSIS.**

Using its high-precision technology, the AGS-690 analyses the absorption of the different frequency bands of the constituents CO, CO<sub>2</sub> and HC, and thereby determines the concentrations. Oxygen and NO<sub>x</sub> concentrations can be measured as an option via electrochemical sensors.

# // MAXIMUM EFFICIENCY FOR MINIMAL ENVIRONMENTAL IMPACT.

## Pneumatic assembly:

The condensate separator assembly was precision-forged to minimise the gas travel and shorten maintenance times. The separation filter has two parts: a net filter and a coalescing filter. The design enables the continuous exit of condensate forming in the separator via a single-shaft, twin-head pump. In addition to the gas and air inlet for the autozero phase, the AGS-690 also features another special inlet for calibrating the gas sample cylinder.

## Advantages:

The AGS-690 was developed as a basic exhaust gas analyser model. However, thanks to accessories that can be connected to it, it can perform a lot of additional functions without problem:

- + The rev counter is incorporated, and an inductance clamp meter, capacitance clamp meter or MGT-300 EVO (via bluetooth) can also be connected (wireless module optional)
- + Connection to a PC is possible via the RS-232 cable, USB or the BT-100 Bluetooth module.



## Type-approval for Europe

M Metrology Marking: MID (Measuring Instrument Directive)  
2014/32/EU NMI 0122 B+D

## Additional National Type-Approvals

Italy, Morocco

MEASURING FIELDS					
CO	0	÷	9.99	% vol	Res. 0.01
CO <sub>2</sub>	0	÷	19.9	% vol	Res. 0.1
HC hexane	0	÷	9,999	ppm vol	Res. 1
O <sub>2</sub>	0	÷	25	% vol	Res. 0.01
NO <sub>x</sub>	0	÷	5,000	ppm vol	Res. 1
Lambda	0.5	÷	5		Res. 0.001
Revolutions Inductance/ capacitance	300	÷	9,990	rpm	Res. 10
Oil temperature	20	÷	150	°C	Res. 1

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