



AGS688 GAS ANALYSER

TECHNICAL SPECIFICATION

The NEW Boston AGS688 is sure to impress. Based on the AGS200 MoT approved model, the internal measurement system is the same, providing high accuracy and fast operation, but with the benefit of being completely self contained.

The AGS688 is ideal for the after-market repair workshop and mobile tuning specialist, for checking, adjusting and pre-testing vehicles prior to the MoT test. It comes as standard with a high quality integrated thermal printer, large backlit LCD displays and the added flexibility of being able to connect and control the OPA100 smokemeter at any time.

Operation

The AGS688 samples the vehicle's exhaust gas by means of an internal pump and high temperature resistant exhaust probe. Using the keypad, it is possible to set the date and time, and produce an immediate printout of all the results. The AGS688 contains a revolutionary newly designed water separation system. This considerably reduces the gas path length and maintenance schedules. The separation unit is injection-moulded and consists of two filters, a mechanical water separation filter and a fibre-based coalescent filter. A single axle, dual head pump assembly allows for continuous removal of water which condenses in the separator. The AGS688 has gas-in and 'fresh-air' (autozero) inputs, and a dedicated calibration gas input connection.

Features

The AGS688 was designed with flexibility and expandability in mind. It has a wide range of optional accessories providing a host of extra functions.

- The AGS688 has the ability to measure RPM and Oil temperature as standard. Simply connect either the induction clamp or capacitive clamp to show immediate RPM, or the temperature probe to measure vehicle oil temperature.
- By adding the radio receiver module, it is possible to connect the wireless MGT300 Oil temp/ RPM measuring device.
- The AGS688 can easily be connected to a PC via RS232, USB or wireless bluetooth in conjunction with the existing FREE issue Boston ManPro software.
- Ideal for mobile tuning and working in areas without power, simply connect the AGS688 to a 12V supply (vehicle's battery or similar) and start testing.
- The OPA100 Diesel Smokemeter can also be connected through the unique omniBUS port. The AGS can then take control of the OPA and display all test results on the built-in LCD displays.



for any further information or advice,
please contact our sales team.
time is never an issue - customer service is.

0800 085 0620
www.boston-ge.com sales@boston-ge.com

Technical Features

| | | | | | |
|-----------------------------------|-----|----|------|---------|------------|
| CO..... | 0 | TO | 9.99 | % vol | Res. 0.01 |
| CO2..... | 0 | TO | 19.9 | % vol | Res. 0.1 |
| HC HEXANE..... | 0 | TO | 9999 | ppm vol | Res. 1 |
| O2..... | 0 | TO | 25 | % vol | Res. 0.01 |
| NoX..... | 0 | TO | 5000 | ppm vol | Res. 1 |
| LAMBDA..... | 0.5 | TO | 5 | | Res. 0.001 |
| RPM (INDUCTIVE / CAPACITIVE)..... | 300 | TO | 9990 | RPM | Res. 10 |
| OIL TEMPERATURE..... | 20 | TO | 150 | °C | Res. 1 |
| PRESSURE COMPENSATION..... | 850 | TO | 1060 | kPa | |

Measuring Bench: Sensors AMB2
 Gas Sampling Rate: 4 l/min.
 Warm-up time at 20 °C: 10 min. max
 Response time for CO, CO2 and HC: < 15 sec.
 Automatic flow monitoring with notifications
 Automatic O2 sensor monitoring
 Supply Voltage: 12/240V

Protective filters for gas / water pump heads
 Automatic ambient pressure compensation
 Calibration by connection of certified gas
 Automatic auto-zero
 Semi-automatic leak test with manual probe closure
 Automatic and continuous condensed water removal

Configurations with other devices

AGS688 + PSI40 Switching Power Supply

AGS688 + Inductive RPM clamp / Oil temperature probe

AGS688 + MGT300 RPM / Oil temp device (via cable / radio or Bluetooth)

AGS688 + MGT300 RPM / Oil temp device (via cable / radio or Bluetooth) + OPA100 Smokemeter +PSI50/60

AGS688 + OPA100 + MGT300 + PSI50 / 60 + PC (connection via RS232, USB or Bluetooth) + ManPro Software

Standard configuration

AGS688 Stand alone gas analyser

Power supply

Exhaust gas sampling hose

Oxygen sensor

Thermal printer with spare paper roll (57mm x 30mm)



for any further information or advice,
 please contact our sales team.
 time is never an issue - customer service is.

0800 085 0620
www.boston-ge.com sales@boston-ge.com