



P8390

EXHAUST GAS ANALYSER



DESCRIPTION

The System brings advanced laboratory technology to the service bay, for the inspection, testing and maintenance of gasoline powered vehicles.

It combines micro processor simplicity of operation with infrared sensor accuracy. The system is designed to meet or exceed the OIML class 1 specification for automotive gas analysers, and is the latest development from a proven range of analysis equipment.

The unit is equipped with a large brightly illuminated LCD display enabling an easy interaction with the user. Part of the user interface is a built in capability to input alpha numeric data.

This gives the operator the ability to configure his own print out and input any vehicle specific data that is required. The analyser is designed to communicate with an IBM type standard keyboard.

For data output the analyser comes equipped with an industry standard parallel port for connection to a printer.

In addition there is also an RS232 serial communications port supplied to allow data transfer to a personal computer or modem.

SPECIFICATION

Power Source	220/240 VAC
Power Consumption	3 Amps
Display	640 x 200 backlit LCD graphics screen
Measured Gases	HC Hydrocarbons (by NDIR) CO Carbon Monoxide (by NDIR) CO ₂ Carbon Dioxide (by NDIR) O ₂ Oxygen (Paramagnetic)
Noise	Less than 5 ppm HC Less than 0.02% CO Less than 0.04% CO ₂ Less than 0.1% O ₂
Accuracy	HC 0 to 400 ppm \pm 12 ppm HC over 400 ppm \pm 3% of reading CO 0 to 2% \pm 0.06% over 2% \pm 3% of reading CO ₂ 0 to 16% \pm 0.6% CO ₂ over 16% \pm 0.5% CO ₂ O ₂ 0 to 25% \pm 0.1% O ₂
Lambda	0.5 to 2.0 resolution 0.001
AFR	5 to 30 resolution 0.1
Oil temperature	0 to 160°C resolution 1°C
RPM	20 to 9999 min
Response time	Less than 10 seconds to 90% of reading
Warm up	15 minutes
Operating temperature	2°C to 40°C
Factory Fitted Options	
P8391	Oil temperature and RPM inductive pickup
P8392	Self calibration module including 1 gas bottle (ESSENTIAL IF SUITABLE CALIBRATION GAS NOT AVAILABLE LOCALLY)
Optional Items	
P8394	Stand
P8395	A4 Printer