

EN73-430



Vehicle Exhaust Gas Analyser

A hand held unit used for the measurement of Carbon Monoxide, Hydrocarbons, Carbon Dioxide, Oxygen and Nitrogen Oxides, this analyser is ideal for emission diagnostics, tuning, pre-compliance and regulated testing applications.

- Simple one-time set up procedure. Easily select between Petrol (Gasoline), Liquid Petroleum Gas / Autogas (LPG), Compressed Natural Gas (CNG) and Diesel settings
- Logging and auto-logging – memory stores up to 255 sets of full results. Tests stored manually or automatically timed. Results downloaded to a PC using optional software (see accessories)
- The analyser includes an integral IR transmitter that is compatible with the optional printers so that results can be recorded anywhere
- Additional features include Lambda / AFR measurement, Corrected CO, RPM and Oil / Exhaust gas temperature measurements

Specification	
Sensor response	15 seconds
Pre-programmed fuels	Petrol, LPG and CNG
Ambient operating range	+5°C to +45°C / 10% to 90% RH non condensing
Storage temperature	Minimum 0°C Maximum +50°C
Battery charger	Input 110 Vac / 230 Vac nominal. Output 10 Vac off load
Dimensions, mm	220 x 55 x 120
Weight, kg	1.1

	Range	Resolution	Accuracy
Carbon Monoxide (Infrared)	0-10% Over-range 20%	0.01%	±5% of reading ±0.06% volume
Oxygen (Fuel Cell)	0-21%	0.01%	±5% of reading ±0.1% volume
Hydrocarbon (Infrared)	0-5,000ppm Over-range 20,000ppm	1ppm	±5% of reading ±12% volume
Carbon Dioxide (Infrared)	0-16% Over-range 20%	0.1%	±5% of reading ±0.5% volume
NOx (Electro-Chemical)	0-5,000ppm	1ppm	0-4,000ppm ±4% or 25ppm 4,000-5,000ppm ±8%
Oil Temperature	0-150°C	1°C	±2°C ±0.3% of reading ±4°F ±0.3% of reading
RPM Optional	200-6,000rpm	1rpm	50rpm
Lambda			
AFR Petrol	0.8-1.2	0.001	
AFR LPG		0.01	

Catalogue No	Description
EN73-430	Vehicle Exhaust Gas Analyser includes gas analyser with water trap and calibration report, plastic carry case, battery charger, mains lead, high temperature exhaust probe, 12V adapter cable and spare filters.
Accessories	
EN73-432	Software kit with CL3 lead for PC interface
EN73-434	Infrared Printer with thermal paper and AA batteries
EN73-436	Pack of 5 Thermal Paper Rolls for Printer
EN73-438	RPM Clamp
EN73-440	Oil Temperature Probe