



# AGA5000

## Five Gas Emissions Analyzer

### **NEW STANDARDS OF CONVENIENCE AND EASE OF USE**

- Measures:
  - Carbon Monoxide (CO)
  - Hydrocarbons (HC)
  - Carbon Dioxide (CO<sub>2</sub>)
  - Oxygen (O<sub>2</sub>)
  - Nitric Oxide (NO<sub>x</sub>)
- Measures five gases individually
- Ruggedized design sets unsurpassed accuracy and durability standards for a hand-held instrument
- Programmed to evaluate gasoline, LPG and CNG fuels



# AGA5000 • Five Gas Emissions Analyzer

The AGA5000 is a truly portable exhaust gas analyzer that sets new standards of convenience and ease of use. It fits comfortably in one hand and can run for up to four hours on its internal re-chargeable battery

Programmable four or eight line backlit display shows measurements in real time. The AGA5000 is made for additional uses which include engine fault diagnosis and tune-up verification. Integral flow checking provides warning of probe or filter blockages.

The calibration procedure allows the unit to be calibrated using standard automotive test gases.

The AGA5000 has the following features:

- Measures:
  - Carbon Monoxide (CO)
  - Hydrocarbons (HC)
  - Carbon Dioxide (CO<sub>2</sub>)
  - Oxygen (O<sub>2</sub>)
  - Nitric Oxide (NOX)
- Measures five gases individually (actual, not calculated)
- Infrared link to optional portable printer
- Programmed to evaluate gasoline, LPG and CNG fuels
- Programmable four or eight line backlit display
- Separate pump switch (Run pump only during testing)
- Measurements are shown in real time
- Self-powered, the only connection to the vehicle is the tailpipe hose
- Integral flow checking provides warning of probe blockages
- The calibration procedure uses standard automotive test gases
- Includes: Protective rubber boot, Water trap and filter, Carrying case, Battery charger, exhaust probe and five extra filters
- One year limited warranty

## Specifications

Gases	Resolution	Accuracy	Range
CO	0.01%	±5% of reading ±0.5% volume	0-5% Over-range 20%
O <sub>2</sub>	0.01%	±5% of reading ±0.1% volume	0-21% Over-range 25%
HC	1 ppm	±5% of reading ±12 ppm volume	0-2000 ppm Over-range 10,000 ppm
NOX	1 ppm	±5% of reading ±40 ppm volume	0-5000 ppm Over-range 5,000 ppm
CO <sub>2</sub>	0.1%	±5% of reading ±0.5% volume	0-16% Over-range 20%
Lambda	0.001	-	0.8-1.2
AFR	00.01	-	11.76-17.64
Sensor response time		15 seconds	
Pre-programmed fuels		Gasoline, LPG and CNG	
Ambient operating range		+41°F to 104°F / 10% to 90% RH non condensing	
Hose length		12'	
Battery charger		Input: 110V AC Output: 10V AC off load	
Analyzer battery run time		> 4 hours from full charge with pump running	

\*To obtain the quoted specifications the instrument should be calibrated with clean ambient air (normally outside the workshop) at standard temperature and pressure (STP).

## Replacement Parts:

Particle filter .....	16345
AC Charger .....	KMCU900/110
Exhaust probe .....	AGPROBE

## Optional Accessories:

Infrared printer .....	KMIRP2
Paper roll .....	16646



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