

## IM 2400 4/5 Gas Analyzer

# ULTRAGAS Combo

Brings together a synergy of gas analyzer and scan tool technology which outdates the big tune scopes of the past



### A completely new COMBO concept

- Remote control via Ultrascan<sup>plus</sup> / Multiscan<sup>plus</sup>
- Highest quality - Andros 68015-gas micro bench
- A true combination of a scan tool and a gas analyzer

### On-board Drive Tests

- Realtime Datalink with Ultrascan<sup>plus</sup> / Multiscan<sup>plus</sup> scan tool
- Records gas readings up to 1.500 frames
- Direct PC interface

BAR  
90  
Basic

BAR  
97  
Basic

EPA  
2002  
GBD-IM

ISO  
3929, 3930  
11614, 9141  
9141-2

EPA  
R99  
Class 0.1

GB-DB

MOE  
NIER

## Gas Analyzer

- The gas analyzer boasts its highest quality, accuracy and reliability - Andros<sup>®</sup> 6241 inspection level gas bench
- Affordable basic 4-gas analyzer that is upgradeable to a 5-gas analyzer with an optional NOx kit.
- Advanced LCD display: User friendly menu selections and on-screen instructions
- Simple Lambda ↔ AFR conversion
- Windows based PC interface program provides more comprehensive and professional diagnosis
- Built-in thermal mini printer - Optional

Screen shots of Ultragas IM2400 gas analyzer built-in LCD



Screen shots of Ultragas IM2400 gas analyzer PC interface program

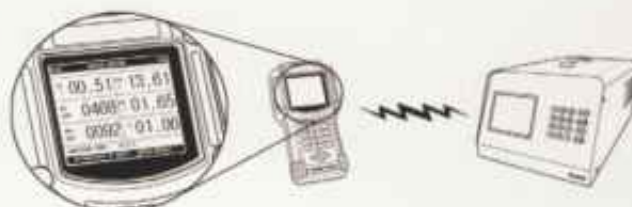


## Combo

### • Remote Control Mode

Scantool works as a remote control module for the gas analyzer.

You can view gas readings on your scan tool screen and control the overall operation of the gas analyzer



### • Combo Mode

Gas readings are presented as a part of scan tool diagnostic live data simultaneously.

Combining two independent diagnostic tools into one brings about great synergy of monitoring both scan tool data and gas readings simultaneously, which enables a thorough diagnosis of 'cause and effect'.

Combo concept is designed for accurate mobile on-vehicle road testing at affordable costs. You can record both data while performing drive test during the drive test using Scantool's unique Black Box Flight Record function.

Combined scan and gas data can easily be downloaded to a PC by using Scantool's featuring USB realtime PC interface function for intensive diagnostic viewing, printing comprehensive diagnostic reports, generating invoice reference and compiling a personal diagnostic reference library.



## Specifications - Gas Analyzer

Model name	IM 2400
CPU	Motorola 68HC
Key Input	16 Rubber keys
Measurable range	Hydrocarbon (HC): 0-10,000 ppm
	Carbon monoxide (CO): 0-10%
	Carbon dioxide (CO2): 0-20%
	Oxygen (O2): 0-23%
	Lambda: 0.5 - 2.5, AFR: 0-99.9
	Nitric Oxide (NOx): 0-5000 ppm <i>Optional</i>
Available fuel type	Gasoline, LPG, Methyl alcohol, Ethyl alcohol, Hydrogen
Display	320x240 LCD with backlight
Measuring Device	CO, CO2, HC: Non-dispersive infrared O2, NOx: Electro Chemical
Warm-up time	4 - 6 minutes

Accuracy	± 2% of Full Scale
Response	90% within 10 seconds
Reliability	Less than 3% / in 30 minutes
Continuity	Less than 2% / 5 serial operations
Calibration	Automatic in-use zeroing and calibration using reference gas
Operating condition	Temperature: -10-40°C, Humidity: Less than 90%RH
Drain	Automatic water drain
Power	AC 100-230V 50-60Hz
Probe and hose	8.65 meter long; Hose 8m, probe 0.65m
Dimensions	H220mm X W270mm X L550mm
Weight	9.2kg Analyzer main unit only
Print	Built-in thermal mini printer
Communication mode	RS232C
Purge	Automatic / Manual
Origin	Assembled in Korea