Ryme

worldwide

GAS ANALYZER RY-4000AG

The gas analyzer is modern equipment, prepared and ready to meet the requirements of OIML R99 Class 1 and 0, ISO 3930, UNE 82501, bar 90, bar 97, U.S. EPA ASM.

Adapted to current standards for vehicles with dual exhaust systems, and possibility of two measurements

Adapted to measurements of GLP, GNC and GNL

MEASUREMENT
CO, CO_2, HC, O_2 NOx

Possibility of integration
EOBD Equipment

Standard Equipment

- Gas analysis equipment
- Console.
- Computer.
- PC integration software.

Software

- Adapted to current standards for vehicles with dual exhaust systems, and possibility of two measurements
- Auto zero automatic
- Sending and processing data and graphics in real time
- Possibility of sending encrypted data to the server using the AES encryption method (Advanced Encryption Standard)
- 100% compatible with management systems and databases
- Assigning permissions to different user levels
- Possibility of assigning the results obtained to a vehicle plate before or after each test
- Customization of the test duration to the minimum and/or maximum time to optimize working time
- Intuitive, simple and fast configuration software
- Graphical and numerical display of results
- Very intuitive control software guided by graphic icons
- Common database (both in network and in local mode), which allows to store cards with customer and vehicle data. All tests performed are recorded and can be easily searched for comparison with new tests
- Translation module which the user will be able to translate the program into his own language or modify any sentence or word on it.
- Connection RS-232.

Technical Data

Gases	CO, HC, CO2, O2 y NOx (optional)
Ambient operating temperature	-12ºC to 48ºC
Storage temperature	-50ºC to 70ºC
Operating pressure	750 - 1100 mbar (1000 mbar nominal)
Power Requirements	110-230 VAC / 2A / 50-60 Hz
Communications	RS2232, 9600 baud
Nominal flow	5,5l/min
Minimum flow	4,5l/min

Dimmensions

Gas equipment dimensions	400 x 400 x 190 mm.
Gas equipment weight	8 kg
Console dimensions	650 x 600 x 1600 mm.
All kit packed dimensions	1200 x 800 x 400 mm
All kit packed weight	100kg

Measurement range and Resolution

Gas	Standard Range	Standard Resolution	Lower Dentection Limit
HC	0 - 2000 ppm Hexane 0 - 4000 ppm Propane	2 ppm	4ppmh
CO	0 - 15%	0,01% Vol	0,02%
CO$_2$	0 - 20%	0,1% Vol	0,3%
O$_2$	0 - 25%	0,01% Vol	-
NO$_x$	0 - 5000 ppm	1 ppm	-

Gas	High Range	High Range Resolution	Accuracy
HC	0 - 20000 ppm Hexane 0 - 40000 ppm Propane	10 ppm	+- ppmh or 3% reading (whichever is greater)
CO	-	0,001% vol	+-0,02% ppm or 3% reading (whichever is greater)
CO$_2$	-	-0,01% vol	+-0,03% ppm or 3% reading (whichever is greater)
O$_2$	-	-	+-0,1% O2
NO$_x$	-	-	+-25 ppm or 4% reading (0-4000 ppm) +-25 ppm or 8% reading (4001-5000ppm)

Software adaptations

Possibility of analysis and study, under budget, for adaptation to new regulations in any region and/or country

Software

More Productive
Repetition of partial tests

Safer
Ryme application can encrypt data, make them safer

More Intuitive
Incorporation of graphic icons. RYME applications share the same menus..

More Compatible
Compatibility with more than 95% of the database management systems on the market today, ORACLE, SQL SERVER, Postgre, SQLite, etc. OS support for 32 and 64 Bits and with Android, Windows...

Online support
Possibility of remote connection from our technicians with your equipment
Consult conditions

More Reliable & Precise
Improvement in the process of calibrating the main board Allows the adjustment of the weighing and force calibration to very precise values.

Optional Equipment

	R.PM. and Accessories kit for r.p.m. measurement *(Consult our options)*
AG-NOX	Sensor NOx
AG-AH	SMOKEMETER kit with Commissioning Certificate Module F
GEN-EOBD	EOBD kit, integration with gas equipment and software
AG-ATE	Motorcycle Exhaust Adapter Kit