GAS ANALYZER RY-500AG

Ryme worldwide

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

The software presents the concentration of the gases and the r.p.m. in numerical form.

Based on infrared technology it measures up to 5 gases; CO, CO2, HC, O2 (NOx, optional), and other parameters such as corrected Lambda CO, oil temperature and rpm

It is very useful for detecting ignition and injection problems as well as for improving fuel consumption.

Dual exhaust measurement capability

Adapted for measuring and calculating Lambda in GLP, GNC and GNL vehicles.

Standard Equipment

- ■ Gas analysis module
- ■ Sampling probe
- ■ Control cabinet
- ■ Temperature gauge

Software

- ■ Adapted to current standards for vehicles with dual exhaust systems, and possibility of two measurements
- ■ 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 (on network as well as in local mode) that's allows us to save all client and vehicle data and have easy access to them to be able to make comparisons between old and new tests.
- ■ Customized advertising on screen
- ■ Database that allows to store cards with customer and vehicle data. All tests are registered and easy to search.
- ■ Translation module through which the user can translate the program into their own language
- ■ Connection RS-232 y Ethernet

Adapted to
measurements of
GLP, GNC and GNL

MEASUREMENT
$CO, CO_2, HC, O_2 NOx$

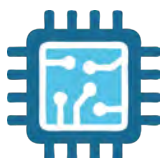### Possibility of integration
EOBD Equipment

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

Electronics

Best Processors
New high-speed processor
Increase the response and process of each vehicle test

RS-232

Ethernet

Increased Connections
Connections Ethernet (TCP-IP) / RS-232 Wifi on the main board

ANTES
AHORA

RAM memory
New memory 16 times faster

ANTES
AHORA

Flash Memory
New memory 4 times faster

Technical Data

Gases	CO, HC, CO_2, O_2 y (NOx optional)
Lambda factor calculation and corrected CO	
Storage temperature	-50 ºC a 70 ºC
Operating temperature	-5 ºC a 45 ºC
Operating pressure	750 - 1.100 mbar (1000 mbar nominal)
Automatic removal of water and particles	>5 µ.
Power Supply	220 V a 50 Hz
Oil temperature gauge R.P.M. Meter Lambda	0 - 150 ºC ; resolution 1ºC 0 - 9990 ; 10 r.p.m. 0,001 ó 0,01 ; configurable
Complies with UNE 82.501, OIML R class 1 and 0, ISO 3930, BAR 90, BAR 97, US. EPA ASM	
It has a database and rejection assessment	

Measurement range and Resolution

HC	0-20.000 p.p.m.	1 p.p.m
CO	0-10 % vol.	0,01 % vol.
CO_2	0-21 % vol.	0,1 % vol.
O_2	-0,5 - 21,7 % vol.	0,1 % vol.
NOx	0-5.000 p.p.m.	1 p.p.m.

Dimensions

Gas equipment dimensions	400 x 400 x 190 mm.
Dimensions of packed gas equipment	570 x 470 x 190 mm.
Weight packed equipment	10 kg.
Cabinet dimensions	730 x 580 x 1.530 mm
Packed cabinet dimensions	1.200 x 800 x 380 mm.
Weight of the packed cabinet	90 kg.

Optional Equipment

		Multi-function wireless device, keyboard, mouse and remote control
	GEN-TD	Data display terminal
	GEN-STD	Second Data display terminal
	GEN-EST	Voltage Stabilizer
	GEN-ENAC	ENAC certified
	AG-CAL	Electro-pneumatic adaptation for self-calibration by means of internal standard gas bottles
	RY3	R.PM. and Accessories kit for r.p.m. measurement
	868800	R.P.M. y Accessory kit for RPM measurement
	GEN-EOB	EOBD kit, integration with gas equipment and software

	AG-NOX	Sensor NOx
	AG-AH	SMOKEMETER kit with Commissioning Certificate Module F
	GEN-RPM	Bluetooth
	AG-2S	Gas inlet hose with double probe
	AG-ATE	Motorcycle Exhaust Adapter Kit
	GEN-SSA	Software for sending encrypted and non-encrypted measurements that guarantees the saving of the results of each test and their sending to the management program even in possible power cuts or other...

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.

Debido a la continua evolución de nuestros productos, las características técnicas y de diseño podrían estar sujetas a modificaciones, sin previo aviso.

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