

GAS ANALYSER



ACTIGAS CUTTING-EDGE TECHNOLOGY

ACTIGAS

ACTIGAS is a latest-generation exhaust gas analyser. It meets to the EU Directive.

ACTIGAS uses a PC base running Windows 10, thus offering great upgradability. It is fitted as standard with the GIEGLAN communication protocol and includes a repeater screen function for Bilanmatic XG inspection lanes. Already covering 5 gases (NOx Optional), it can be easily upgraded to conform to new standards or applications thanks to its USB ports or almost remotely.

This “gas analyser” platform, accuracy class 0, OIML R99 compatible, represents the most accomplished technical version in terms of pollution testing performance. The software is suitable for quick readings and compliance testing, remaining easy to use and allowing the user to easily switch from one test to the other

This product, a one of a kind on the market, makes use of network technologies and computing power.



RANGE ACTIGAS

LIGHT VERSION

Basic combination available in Petrol, Diesel and Combined versions.

In this configuration, the mobile unit is supplied with :

- A 22" flat screen, making it possible to monitor the testing operations from inside the vehicle
- PC including
 - Windows 10
 - 7 USB type A, 1 USB type C, 1 COM or HDMI, 2 DisplayPort, 1 RJ45
 - Azerty keyboard and mouse
- Gas measurement cell and tripod-mounted fume measurement cell



GAS ANALYSER AT 505

START VERSION

Combination available in Petrol, Diesel and Combined versions.

In this configuration, the mobile unit is supplied with :

- A 22" flat screen, making it possible to monitor the testing operations from inside the vehicle
- PC including
 - Windows 10
 - 7 USB type A, 1 USB type C, 1 COM or HDMI, 2 DisplayPort, 1 RJ45
 - Azerty keyboard and mouse
- Gas measurement cell and tripod-mounted fume measurement cell
- Oil temperature sensor
- Battery/Cigarette-lighter type rev.counter

VERSIONS	LIGHT	START
PC ASUS / Windows10 IOT/ Disque dur SSD128 Go 4GB RAM + power supply 230V/19V	Included	Included
RT3 Module + cable RPM battery + cigarette lighter + RS232&USB	Optional	Included
Vibration / acoustic sensor	Optional	Optional
Oil temperature sensor	Optional	Included
Wired IR thermometer	Optional	Optional
Extra decanter	Optional	Optional
Generic BlueNet Master Dongle	Optional	Included
Bluetooth wireless measurement communication	Optional	Included
BlueTooth/BlueNet OBD Interface	Optional	Optional
Printer	Optional	Optional
LCD Screen 22" 16/9	Included	Included
IR + remote control receiver kit	Optional	Optional
Azerty keyboard	Included	Included
Mouse	Included	Included

TECHNICAL CHARACTERISTICS OF ACTIGAS ANALYZER

	Range	Accuracy
Carbon Monoxide (CO)	0 to 10 % vol.	0.001
Carbon dioxide (CO₂)	0 to 20 % vol.	0.01
Unburnt hydrocarbons (HC)	0 to 2000 ppm vol.	1
	2001 to 9000 ppm	10
Oxygen (O₂)	0 to 4 % vol.	0.01
	4 to 21 % vol.	0.1
Nitrogen oxides (NO_x), optional cell	0 to 5000 ppm vol	1
Corrected carbon monoxide (CO cor)	0 to 10 % vol.	0.1
Lambda ratio	0.500 à 2.000	0.001
Engine oil temperature	5 to 150°C	1°C
Ambient condition measurement	temperature (°C) atmospheric pressure (hPa) humidity level (%)	
Automatic barometric compensation	from 860 hPa to 1 060 hPa	
Sampling pump flow rate	10 l/m	
Automatic gas purge	standard	
Automatic reset	standard	

ACTIGAS can be combined with ACTI-OPA, ACTI-OBD and IR thermometer.

ACTI-OPA

Tripod-mounted smoke tester that measures the opacity of smoke produced by diesel engines. The instrument can perform both stabilized and acceleration measurements. In the ACTIGAS TOUCH version, this smoke tester communicates via Bluetooth. During an acceleration test, the device records the engine speed along with the peak smoke values.



CHARACTERISTICS

	Range	Accuracy
Absorption coefficient	0 to 9,99 m-1	0.01
Opacity	0 to 99,9 %	0.1
Exhaust smoke temperature measurement	0 to 600°C	1°C
Rev. counter	400 to 2000 min-1	+/- 2%
	2001 to 9990 min-1	
Oil temperature	0 to 150 °C	
Reset	Automatic	
Cell dimensions	235 x 380 x 90 mm	
Cell weight	4.5 kg	

Optionals :

- 50 m-long RJ45 cable for interfacing with the central PC
- Heated sensor for vertical heavy goods vehicle exhausts, 3.5 or 5-meter versions

ACTI-OBD

To improve your productivity, the OBD Connect interface can be connected over Bluetooth to the ACTIGAS gas analyser and smoke tester. Indeed, in this manner you no longer need to measure the oil temperature and engine speed during the pollution analysis procedure.

ACTI-OBD Pack (Light Vehicles / Heavy Goods Vehicles)

- ODB Connect interface
- OBD connection cable
- External power supply
- Installation and user manual
- Certificate
- Self-test to check operation at any time
- Adapter for light vehicles and heavy goods vehicles



REFERENCES	LIGHT	START
Gas Analyser	ACTIP-LIGHT-GAX	ACTIP-GAXP
Smoke tester	ACTIP-LIGHT-OPX	ACTIP-OPXP
Combined light vehicles flasks	ACTIP-LIGHT-GOX	ACTIP-GOXP

Optional: Instant and reliable data transmission in BlueNet (closed Bluetooth long-distance network designed to secure communication with other wireless devices).



Specific probes

Due to the design of the exhaust on certain vehicles, it may be difficult to insert the sampling probe. MULLER AUTOMOIVE® thus proposes specific probes to allow you to optimally measure vehicle emissions.



REFERENCES	
Extension for smoke tester	AMOPA-7276
Heavy goods vehicle sampling probe, 3.5 m	AMAT1045007
Heated heavy goods vehicle sampling probe, 5 m	AMAT1045094
Motorcycle sampling probe	AMAT1045073

