

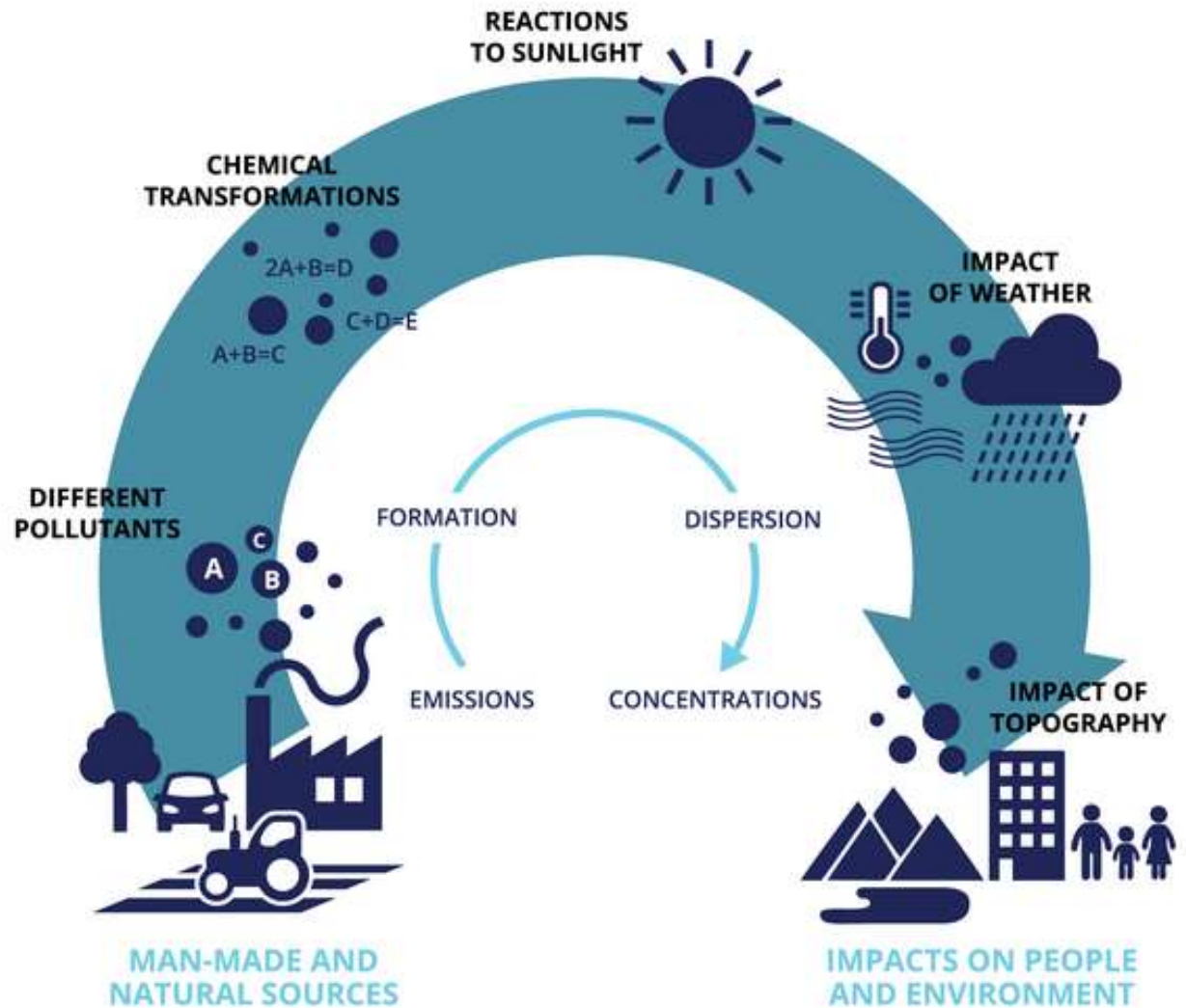
TEXA S.p.A.

Emiliano Pasin

Product Manager - Emissions Analysis

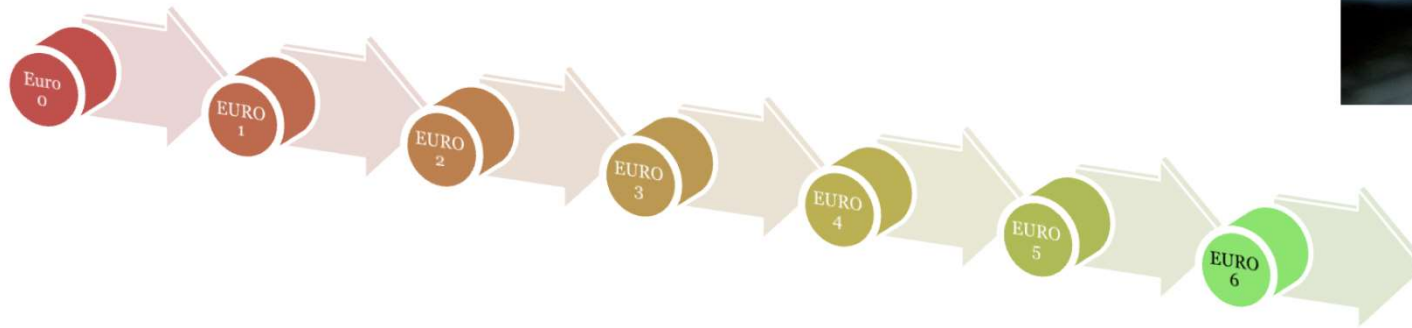
Air pollution

- Carbon dioxide (CO₂)
- Hydrocarbons (HCs)
- Carbon monoxide (CO)
- Particulate matter (PM)
- Nitrogen oxides (NO_x)

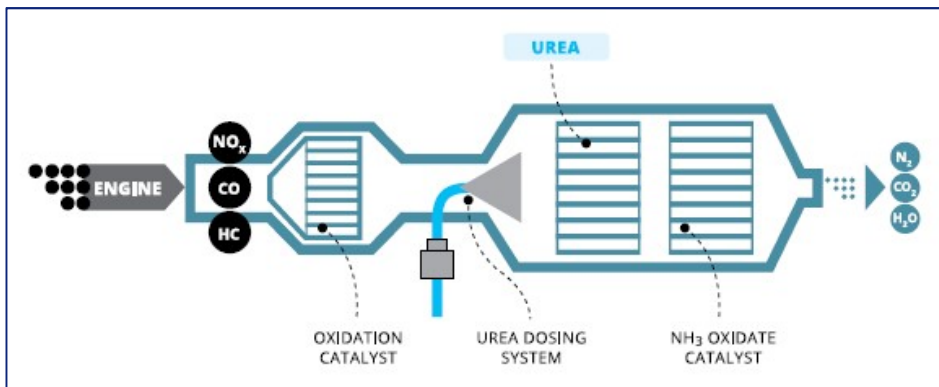


Vehicle emissions control

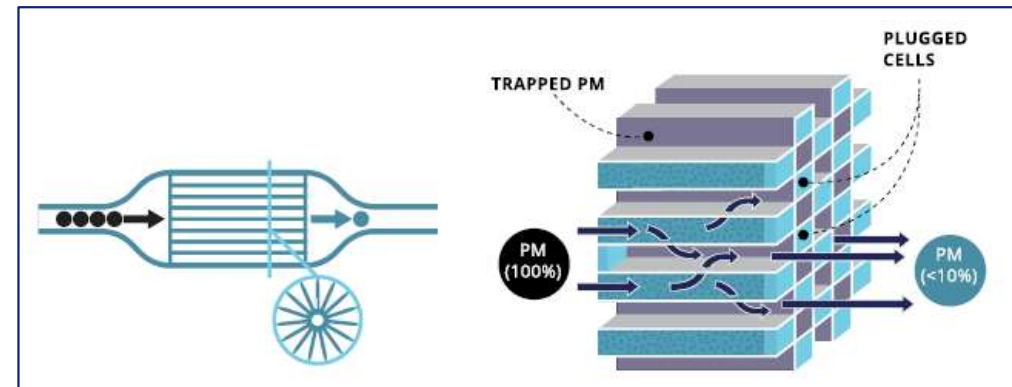
Vehicle emissions control is a part of vehicle inspection procedure in several countries around the world.



Petrol exhaust system



Diesel exhaust system



Emission analysis – products range



Gas Analyzer



Smoke Meter



Revolutions Counter



Control Units

Emission analysis – measurement equipment



GASBOX AUTOPOWER



OPABOX AUTOPOWER

GASBOX Autopower – Gas Analyzer

- Folding handle
- Light and usable trolley
- Texa patented bench
- More than 8 hours battery runtime (external battery pack)
- Auto-recharge from suitable trolleys
- Charge status LED
- Wireless Bluetooth or RS232 serial communication
- RPM (inductive clamp) and oil temperature ports
- Short exhaust gas probe
- Reduced warm-up time
- M.I.D. Approval – 2004/22/EC European homologation



GASBOX Autopower – Datasheet



Dimensions	460 x 200 x 250 mm	
Weight	6,5 Kg (with trolley e Power Pack 15 Kg)	
Power supply	Wall adapter 220 V – 50 Hz or Power Pack 12 V - 9 A/h	
Zero setting	Automatic	
Condensation discharge	Continuous and automatic	
Technology	NDIR	
	Range	Resolution
CO	0 – 9.99 % vol.	0.01
CO₂	0 – 19.9 % vol.	0.1
HC	0 – 10000 ppm vol.	1
O₂	0.5 – 21.4 % vol.	0.1
NO_x (optional)	0 – 5000 ppm vol.	5
Lambda	0.50 – 3.50	0.01
Oil Temp	5 – 200 °C	0.1
Warm-up time	1 min.	

GASBOX Autopower – optional



Kit Nox

CS 9000



Power pack

Basic recharge station



Oil temperature probe



Inductive clamp

Eco-station



Maintenance by the user*Daily/Weekly*

- Leakage test
- Filters cleaning and replacement
- Probe check

Maintenance by the Service*Every year or more frequent*

- Complete check
- Replacement consumable parts
- Calibration with standard gas



OPABOX Autopower – smoke meter

- Fold away handle
- More than 8 hours battery runtime (external battery pack)
- Improved chamber design
- Auto-recharge from suitable trolleys
- Charge status LED
- Wireless Bluetooth
- RS232 serial communication
- Short exhaust smoke probe
- ETS Software
- ISO 11614 1999 edition



OPABOX Autopower: datasheet

Dimensions	460 x 200 x 250 mm	
Weight	6,5 Kg (with trolley e Power Pack 15 Kg)	
Power supply	Wall adapter 220 V – 50 Hz or Power Pack 12 V - 9 A/h	
Zero setting	Automatic	
Technology	Green led diode	
	Range	Resolution
Absorption coefficient	0,00 – 9,99 m ⁻¹	0.01
Opacity	0,0 – 99.9 %	0.1
Chamber length	200 mm	
Warm-up time	5 min.	



OPABOX Autopower – optional



Power pack



Eco-station



Basic recharge station



Maintenance by the Customer

Daily/Weekly

- Filters cleaning
- Probe check

Maintenance by the Service

Every year or more frequent

- Complete check
- Calibration with optical filters



Emission analysis – revolution counters



RC3



RC2



RCM

- Car compliance
- 12 V battery power supply
- Bluetooth wireless communication
- RS232 serial ports
- Temperature probe
- Analogue reading from battery ripples
- Analogue reading with inductive-clamps and piezoelectric sensor (optional)
- Light weight
- Magnetic hang-up



RC2: datasheet

Dimensions	250 x 100 x 40 mm	
Weight	0,4 Kg	
Power supply	8 - 16 V	
Zero setting	Automatic	
Technology	Battery Ripple, Inductive Clamp, Piezo Sensor	
	Range	Resolution
RPM	100 – 9999 rpm	10
Oil temp	0 – 199 °C	1



RC3: optional



Oil temperature probe



Inductive clamp



Piezo sensor



Maintenance by the Customer

Daily/Weekly

- Probe check

Maintenance by the Service

Every year

- Complete check
- Calibration with calibration tool



RC3: Rev. Counter & Temp. Probe

- Car & Truck compliance
- 12-24V battery power supply
- Bluetooth wireless communication
- USB and RS232 serial ports
- Temperature probe
- Analogue reading from battery ripples
- Analogue reading with inductive-clamps and piezoelectric sensor (optional)
- Digital reading from EOBD socket
- EOBD Scantool software (optional)



RC3: datasheet

Dimensions	170 x 162 x 63 mm	
Weight	0,8 Kg	
Power supply	8 - 32 V	
Zero setting	Automatic	
Technology	EOBD, Battery Ripple, Inductive Clamp, Piezo Sensor	
	Range	Resolution
RPM	0 – 9999 rpm	10
Oil temp	5 – 200 °C	1



RC3: optional



EOBD Scantool

- ISO 9141-2 (ISO 9141)
- ISO 14230 (KW2000)
- ISO 11519 - SAE J1850 (41.6 kbps PWM)
- ISO 11519 - SAE J1850 (10.4 kbps VPW)
- ISO 15765-4 (CAN BUS)
- ISO 27145 (WWH-OBD)



Oil temperature probe



Inductive clamp



Piezo sensor

Maintenance by the Customer

Daily/Weekly

- Probe check

Maintenance by the Service

Every year

- Complete check
- Calibration with calibration tool



- **Graphic Display**
- **New RPM probe by antenna developed for motor bikes**
- **Rechargeable internal battery (8 hrs)**
- **Keyboard**
- **Bluetooth**
- **Serial port**
- **Oil probe connector**



RCM: datasheet



Dimensions	204 x 210 x 117 mm	
Weight	290 g	
Power supply	5 V	
Zero setting	Automatic	
Technology	Antenna	
	Range	Resolution
RPM	650 – 9990 rpm	10
Oil temp	0 – 199 °C	1

RC3: optional and maintenance



RCM holder



Oil temperature probe



Maintenance by the Service

Every year

- Complete check
- Calibration with calibration tool

Emission analysis – control units and software



GAS MOBILE



MULTIPEGASO

- Visualization unit for gas analysis
- Fold away handle
- Wireless bluetooth
- Thin and light
- High light Display
- High capacity battery (15 hr.s)
- Rechargeable by trolley
- Mount bracket for trolley
- PS2 external keyboard
- Integrated printer
- Software on SD card



GASBOX Autopower – Datasheet

Dimensions	212 x 162 x 120 mm
Weight	930 g
Power supply	Wall adapter 12-18 V – Internal battery 2400 mAh
Display	LCD 240 x 128
Processor	Cortex
Printer	Integrate printer
Other	SD Slot, Bluetooth



New Multi Pegaso

- Complete workstation for workshop
- Designed for repair shop
- Full integrate with other equipment thought Bluetooth module
- WiFi connection
- Color DJ printer for instant report print
- Gasbox and Opabox Autopower recharge system
- Easy to move

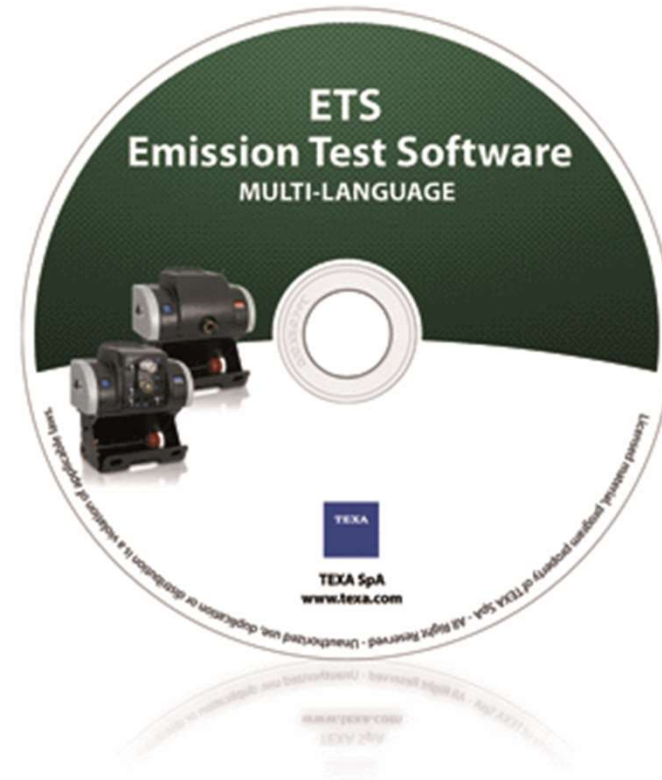


GASBOX Autopower – Datasheet



Dimensions	1500 x 400 x 600 mm
Weight	18 Kg (approx. without tools)
Power supply	Wall adapter 220 V – 50 Hz
Monitor	19" TFT-LCD format 5:4 1280x1024
Processor	Intel Pentium Quad Core
HD	SSD 256 GB
RAM	8Gb
OS	Windows 10 Pro
Printer	Color Deskjet
Other	Remote Control , 6 USB2 ports, 2 LAN Gbit, 1 Serial port, Bluetooth, WiFi

- New software for gas analysis
- 24 different languages
- Multi procedural
- Versatile
- User friendly interface
- Wizard utility for configuration
- Easy to use Bluetooth system



International Approval

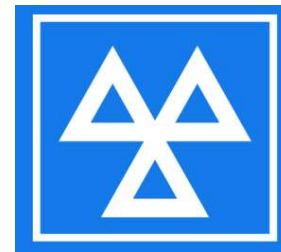
Italy



Spain



UK



Netherland



Russia



MT20



Bulgaria, Korea, Norway, Greece, Poland, Brasil, Norway, Finland, Portugal, etc.

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