900 SERIES

Emission testing instruments

The new **900 series** offers a complete range of emission testing instruments for diesel and petrol engines.

The new **GAS930** exhaust gas analyser guarantees accuracy and reliability whether used in a PTI control station or in a modern workshop.
The **OPA940** opacimeter offers great accuracy even under the harshest conditions of use.

Ergonomics and modular solutions allow an easy measurement process thanks to the practical **GASLOOK** display terminal, complete with **printer** for use in **standalone** mode, or using the comprehensive **QTS** software for centralising all measurement results.

The range is completed with two different rev **counters** for easy measurement of engine speed for motor vehicles and motorbikes.

The practical **GASMOVE** carriage allows easy movement in all situations.

- Accuracy
- Ergonomics
- Modular solutions
- QTS software
- MCTC Net **2**

TECNOMOTOR

CAR — BUS — TRUCK — MOTO — VAN

made in italy

GAS930

Exhaust GAS analyser

Metrological technical features

QTS software
(included)

- **Weight**: 6 kg
- **Dimensions**: 460 x 260 x 250 mm
- **Power supply**:
  100 ÷ 240 VAC, 50÷60 Hz Battery Pack / 60W
- **Operating temperature**: +5° ÷ +40 °C
- **Storage temperature**: -20 ÷ +60 °C
- **Pressure**: 850 hPa ÷ 1060 hPa
- **Humidity**: 0% RH ÷ 85 % RH
- **Maximum heating time**: 100 sec.
- **Reset**: Electronic and automatic
- **Oil Temp.**: 0 ÷ 200°C Res.1°C

- **CO measure**: 0 ÷ 10% Vol Res.0.01% Vol
- **CO2 measure**: 0 ÷ 20% Vol Res.0.1% Vol
- **HC measure**: 0 ÷ 10000ppm Vol / Res. 1
- **O2 measure**:
  0 ÷ 22% Vol / Res.0.01% (O2C 10%) 0.1 (O2 >10%)
- **LAMBDA factor**: 0 ÷ 5 Res.0.001
- **NOx measure**: 0 ÷ 5000ppm Vol Res.1
- **Rpm**: 0 ÷ 9999 rpm / Res.10
- **Response time**: ≤ 15 sec. (with 6m probe)
- **Condensate drainage**: continuous and automatic
- **Gas suction**: 3.2 l / min (minimum)

Functional technical features

- **Communication ports**:	RS232, Bluetooth
- **Display mode**:	**GASLOOK** handheld terminal, **QTS** PC operating software
- **Metrological approvals**:	OIML R99/2008 Class 0
	MID 2014 / 32 / EU
	MCTC, MCTC Net2 (with **QTS SW**) NETWORK / DIR mode
- **Print report**:	Summarised report through **GASLOOK** terminal
	Extended Report via **QTS** Software

OPTIONAL ACCESSORIES

GAS930
Exhaust GAS analyser

GASBIKE

Sampling kit for 2T
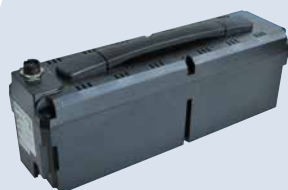motorbikes - Italy

GASMOVE

Single-seat carriage

GASLOOK

Handheld terminal

**OIML R99/2008 Class 0
MID 2014 / 32 / EU
MCTC, MCTC Net2
(with QTS SW)
NETWORK / DIR mode**

Battery pack

NOX sensor

Support for GASMOVE for
single-seat carriage

Motorbike sampling kit
(GENERAL PURPOSE)

Oil temperature probe

OPA940

Opacimeter

Metrological technical features

- **Weight**: 6 kg
- **Dimensions**: 460 x 200 x 250 mm
- **Power supply:** 100 ÷ 240 VAC, 50÷60 Hz Battery Pack / 70W
- **Operating temperature**: +5° ÷ +40 °C
- **Storage temperature**: -20 ÷ +60 °C
- **Pressure**: 85 ÷ 102.5 kPa
- **Humidity**: 0% RH ÷ 95 % RH
- **Maximum heating time**: 5min (5°C).
- **Reset**: Automatic with solenoid valve
- **Oil Temp**.: 0 ÷ 200°C Res.1°C
- **Rpm**: 0 ÷ 9999 rpm / Res.1

- **Absorption coefficient K (m-1)**: 0 ÷ 9.99 m-1 Res 0.01
- **Absorption percentage** N (%): 0 ÷ 99.9 % Res 0.1%
- **Acceleration time**: 0.05 sec
- **Fume temperature**: 0 ÷ 300 °C. Res1
- **Effective chamber length**: 200 mm
- **Chamber temperature**: 75 °C
- **Light source**: Green LED
- **Metrological compliance**: ISO 11614
- **Chamber pressure**: 750 ÷ 1100 hPa

Functional technical features

- **Communication ports**:	RS232, Bluetooth
- **Display mode**:	**GASLOOK** handheld terminal, **QTS** PC operating software
- **Metrological approvals**:	Compliant with ISO 11614, 72/306 EC
	MCTC, MCTC Net2 (with **QTS SW**), NETWORK / DIR mode
- **Print report**:	Summarised report through **GASLOOK** terminal
	Extended Report via **QTS** Software

OPTIONAL ACCESSORIES

GASMOVE
Single-seat carriage

GASLOOK

Handheld terminal

ISO 11614, 72/306 EC
MCTC, MCTC Net2
(with QTS SW)
NETWORK / DIR mode

Support for GASMOVE
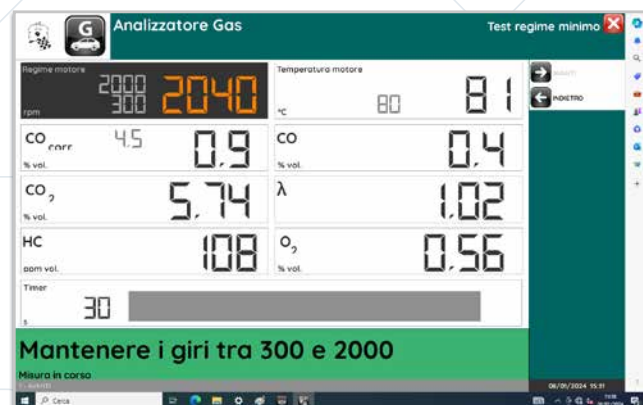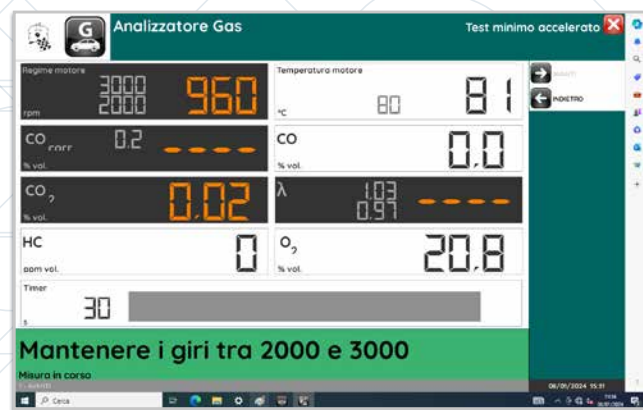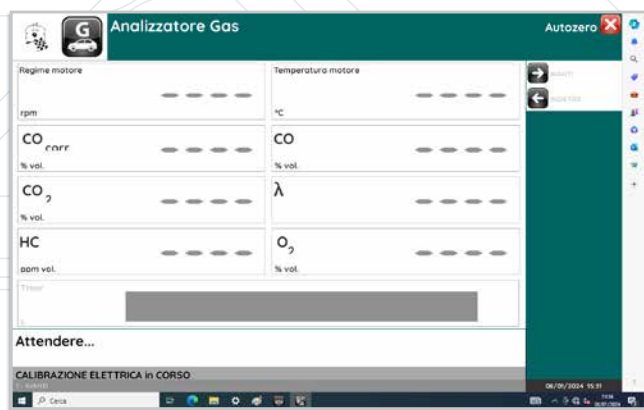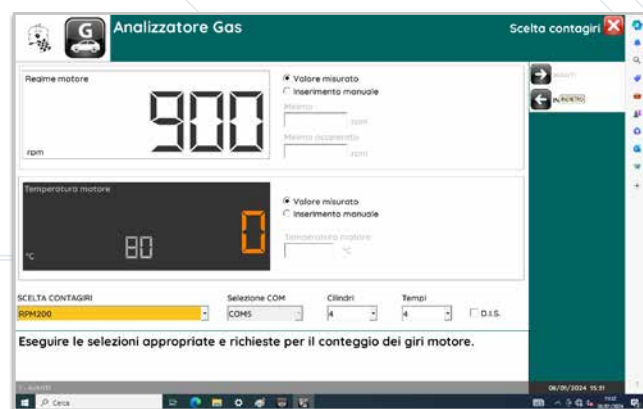for single-seat carriage

Battery pack

Oil temperature probe

TECNOMOTOR
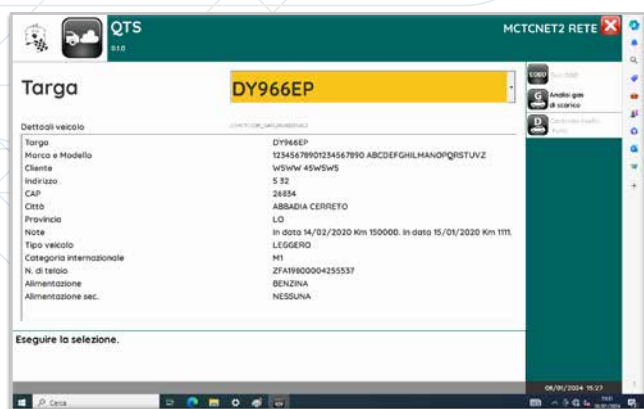
QTS software

In addition to the intended use configurations, the QTS software **allows the display of measured values** of both exhaust gas analyser and opacimeter, depending on the specific test procedure.

Everything **is displayed quickly and easily** for great test flexibility.

RPM200

Rev counter for LCVs and HCVs

- **Connection**: Bluetooth 1.2
- **Power supply**: 8 ÷ 32 Volts
- **Ripple measurement**: 12 ÷ 24V
- **Range**: 100 ÷ 9999 Rpm
- **Temperature**: 0 ÷ 199 °C
- **Weight**: 0.8 kg
- **Dimensions**: 155 x 162 x 63 mm

MCTC Net 2

Measurement from EOBD port:
ISO 9141-2, ISO 142230, SAEJ1850PWM,
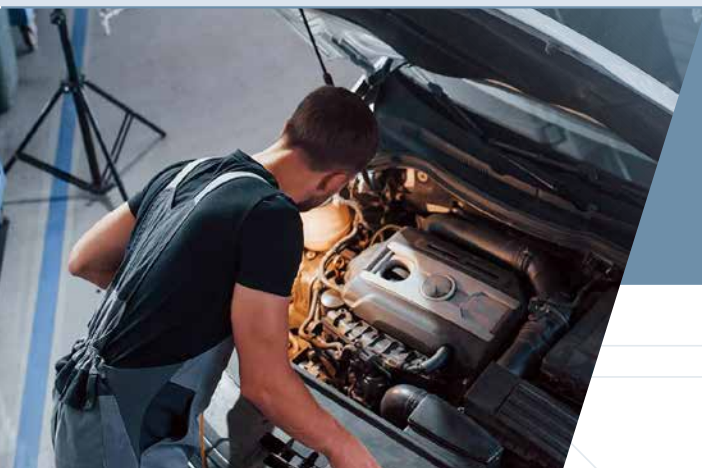**SAEJ 1850 VPW, CAN ISO 11898**

RPM210

Motorbike rev counter with support stand

- **Display**: Backlit 64x128 LCD
- **Power supply**: Lithium battery
- **Measuring principle**: Radiofrequency
- **Range**: 100 ÷ 9999 Rpm
- **Temperature**: 0 ÷ 199 °C
- **Dimensions**: 204 x 110 x 117 mm
- **Weight**: 0.29 kg

MCTC Net 2

TECNOMOTOR

new range

900 SERIES Emission testing instruments

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NEXION SPA - ITALY