

EKOS 9000 AND SMOKE MODULE 9010

SMOKE METERS FOR DIESEL EMISSIONS

9000: Smoke Meter for diesel emissions complete with remote control, 24 col. Printer and roll stand. Thanks to its sophisticated technology Ekos 9000 is an advanced unit able to execute accurate opacity tests. Some of its features such as warmed chamber and electro-valve of smoke interception, cleaning pump guarantee an accurate reading of the measured value. The software installed in the unit helps the operator during the test execution according to all International different regulations.

9010: Smoke Module to be connected directly to Gas analysers Eurgas 8020, TotalGas 8050, Portable TotalGas 8070-8071 or to a PC through a special software 7102 USB or LTP (optional)



MAIN FEATURES

- Heated chamber
- smoke on-off solenoid valve
- automatic cleaning pump.
- Flow: partial and continuous
- Bench length: 430 ±0.5 mm
- Actual response time: < 0.4 sec.
- Electrical response time: 0.91 ± 0,01 sec.
- Total response time: ≤ 0.99 sec.
- Resetting: automatic with Solenoid valve
- Resetting Frequency: automatic
- Calibration: automatic
- Sender: 6v 10W halogen lamp
- Receiver: photodiode
- Chamber Temp: 90 ± 2°C (normal operating conditions)
- Slide cleaning: automatic with dedicated pump
- Output: RS232 (Rx-Tx PC standard)
- Power supply Voltage: 110 ÷ 230V (+10%-15%) 50/60Hz (±2%) (internal voltage change set in the factory)
- Power rating: 300 W
- Mains fuses: T4A -250Vac (5x20)
- Operating temperature: 0 ÷ +40°C
- Relative humidity: up to 90%
- Pollution degree: II (IEC 61010-1)
- Dimensions (LxHxD): 61 x 23 x 22 cm
- Weight: approx. 12 Kg
- Storage temperature: -15°C ÷ +60°C

OPTIONAL ACCESSORIES

- USB/RS23 Adapter 10005
- Roll stand 9500 for 9010 only

Measures	Range	Precision	Resolution	Unity of measure
Opacity	0 ÷ 100,0	±0.5	0.1	%
Absorption coefficient	0 ÷ 19,99	±0.25	0.01	m ⁻¹
RPM	0 ÷ 9999	± 10	1	min ⁻¹
Gas temperature	0 ÷ 400	±3	1	°C
Engine temperature	0 ÷ 300	±3	1	°C

HOMOLOGATIONS:

9000

Italy c/o il Ministero dei Trasporti
 Germany c/o PTB e TUV
 France c/o LNE
 United Kingdom c/o GEA
 Austria c/o Università di Vienna
 The Netherlands c/o NMI
 Romania c/o BRML
 Bulgaria c/o National Center of Metrology
 Spain c/o CEM
 Switzerland c/o METAS
 Algeria c/o ENACTA
 Morocco c/o MCI

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 Hungary c/o ORSAGOS MERESUGYI
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