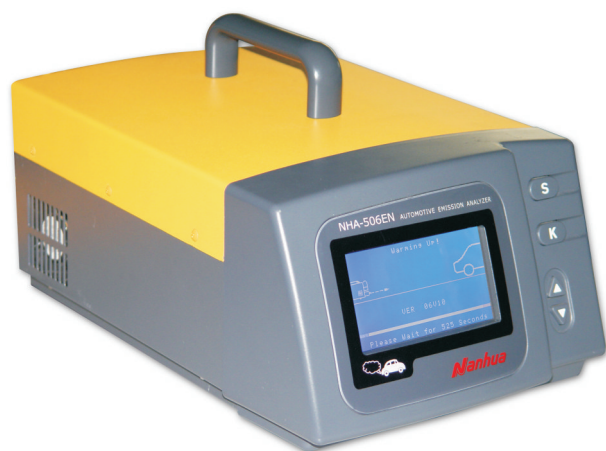


NEW

Nanhua
INSTRUMENTS



NHA-506EN Automotive Emission Analyzer (5-gas / portable)

Main Features and Specifications

- Measure concentration of HC, CO, CO₂, O₂ and NO contained in exhaust gases from gasoline engine of vehicles. Advanced NDIR (non-Dispersive Infrared) analysis technology is used to measure HC, CO, CO₂ and the newest generation of electrochemical technology is adopted to measure O₂ and NO .
- Designed with LCD screen for easier setting and operation.
- Automatic calculation and display of A/F (air-fuel-ratio) and Lambda air ratio λ .
- Emissions from vehicle engine fuels of CNG, LPG and Ethanol gasoline can be measured.
- Small Size, light weight and most convenient for carry.
- Designed with inductive clip-on pickup sensor for RPM measurement.
- Designed with oil temperature measurement probe.
- Designed with RS-232C digital serial interface.
- 200 groups of measurement data storage and review.
- In compliance with accuracy requirement of ISO 3930 or OIML R99 Class I.

Options and Accessories:

- ▶ Micro printer.
- ▶ Various RPM measurement adaptors.
- ▶ DC12V vehicle power inverter.

Main Technical Specifications

◆ Measuring Range:

HC:	0 ~ 9,999	ppm (n-Hexane)
CO:	0 ~ 10	%
CO ₂ :	0 ~ 18	%
O ₂ :	0 ~ 25	%
NO:	0 ~ 5,000	ppm

◆ Measurement Accuracy:

HC:	±12 ppm (abs.)	0 ~ 2,000 ppm
	±5 % (rel.)	0 ~ 2,000 ppm (which ever is larger)
	±10 % (rel.)	2,001 ~ 9,999 ppm
CO:	±0.06 % (abs.)	
	±5 % (rel.)	(which ever is larger)
CO ₂ :	±0.5 % (abs.)	
	±5 % (rel.)	(which ever is larger)
O ₂ :	±0.1 % (abs.)	
	±5 % (rel.)	(which ever is larger)
NO:	±25 % (abs.)	
	±4 % (rel.)	(which ever is larger)

◆ Response Time: Less than 10s for T₉₀

※(O₂, less than 12s. NO, less than 15s)

◆ Warm-up Time: 10 min.

※(ambient temperature is not lower than 20°C)

◆ Power Supply: AC220V ±10% 50Hz ±1Hz

◆ Net Weight: 6.0Kg

◆ Outer Dimension:

260mm(W) × 180mm(H) × 450mm(D)

