



NHA-505 Automotive Emission Analyzer

Main Technical Specifications

◆ Measuring Range:

HC:	0~9,999	ppm (n-Hexane)
CO:	0~10	%
CO ₂ :	0~18	%
O ₂ :	0~23	%
NO:	0~5,000	ppm

◆ Measurement Accuracy:

HC:	±10	ppm (abs.)
	±5	% (rel.) (which ever is larger)
CO:	±0.03	% (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)

◆ Resolution:

HC:	1	ppm
CO:	0.01	%
CO ₂ :	0.01	%
O ₂ :	0.01	%
NO:	1	ppm

◆ Response Time: Less than 8s

*(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 or DC12V (optional DC-AC inverter)

◆ Weight

Instrument:	11.5Kg
Trolley:	38Kg

◆ Outer Dimension

Instrument:	370mm(W) × 205mm(H) × 470mm(D)
Trolley:	650mm(W) × 990mm(H) × 830mm(D)

Main Features and Specifications

- Measure concentration of HC, CO, CO₂, O₂ and NO in automotive exhaust emissions.
- Chinese or English menu for easy operation.
- LCD screen.
- Automatic zero reset.
- Assembled with advanced NDIR components and gas sensors.
- Automatic calculation and display of Air-Fuel Ratio λ.
- Equipped with RS-232C digital serial communication interface.
- Equipped with rotation speed and oil temperature measure ports.
- With functions of License Plate Number entry and time display.
- 800 groups of data storage and review.
- In compliance with accuracy requirement of ISO 3930 or OIML R99 Class 0.