



# WGA-500 Gas Analyzer

- ★ Measurement Items  
HC, CO, CO<sup>2</sup>, O<sup>2</sup>, NO, λ



- ★ Advanced NDIR (Non-Dispersive Infrared) analysis technology to measure HC, CO, CO<sub>2</sub>, newest electrochemical technology to measure O<sub>2</sub> and NO
- ★ Automatic calculation and display of A/F (air-fuel-ratio) and Lambda air ratio λ
- ★ High-brightness big LCD screen
- ★ CNG, LPG, ethanol vehicles can be tested
- ★ Standard inductive RPM measurement adaptor
- ★ 10-minutes standard warm-up and 5-minutes for fast measurement
- ★ 200 groups measurement data storage and review
- ★ Comply with ISO3930 and OIML 99 class I accuracy

Item	Parameters
Measuring Range	HC: 0 ~ 9,999 ppm (n-hexane) CO: 0 ~ 10 x 10 <sup>-2</sup> (%) CO <sub>2</sub> : 0 ~ 20 x 10 <sup>-2</sup> (%) O <sub>2</sub> : 0 ~ 25 x 10 <sup>-2</sup> (%) NO: 0 ~ 5,000 x 10 <sup>-6</sup>
Measurement Accuracy	HC: ± 12 x 10 <sup>-6</sup> ( absolute error) or ±5% (relative error) CO: ± 0.06 x 10 <sup>-2</sup> (%)(absolute error) or ±5% (relative error) CO <sub>2</sub> : ± 0.50 x 10 <sup>-2</sup> (%)( absolute error) or ±5% (relative error) O <sub>2</sub> : ± 0.10 x 10 <sup>-2</sup> (%)( absolute error) or ±5% (relative error) NO: ± 25 x 10 <sup>-6</sup> ( absolute error) or ±5% (relative error)
Warm-up Time	10 min ( 5 min warm-up for fast measurement)
Response Time	Less than 10s; NO testing less than 15s
Power Supply	AC 220V ± 10% 50Hz ±1Hz