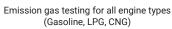


AUTOMOTIVE GAS ANALYZER







KEG-500 KEG-200

Specification					
Model	KEG-200(2gas) / KEG-500(4gas/5gas Optional)				
Measuring gas	CO, HC, CO2, O2, Lamda(Air surplus rate), AFR, NOX (5gas)				
Sensor Theory	CO, HC, CO2, Non-Dispersive Infrared Analysis(NDIR) O2, NOX: Electrochemical Cell				
	CO	HC	CO2		
Measuring range	0.00 ~ 10.0%	0 ~ 9999 ppm	0.0 ~ 20.0%		
Resolution	0.01%	1 ppm	0.1%		
	02	λ	AFR	NOX	
Measuring range	0.00 ~ 25.00%	0 ~ 2.000	0.0 ~ 99.0	0 ~ 5,000 ppm	
Resolution	0.01%	0.001	0.1	1 ppm	
Display	4 digit 7segment LED				
Repetition Rate	Less than 2% FS				
Response time	Within 10 seconds				
Preheat Time	Approx. 2~8 minutes				
Flow rate	4 ~ 6 L/min				
Power	110V/ 220V±10%, 50/60Hz				
Power consumption	Approx. 50W				
Operation Temp	0 ~ 40°C				
Dimensions	420 (W) x 298 (D) x 1	80 (H) mm			
Packing Size	530 (W) x 400 (D) x 3	50 (H) mm			
Weight(Net/Gross)	6.9 kg / 12.5kg				
Standard Accessories (KEG-500)	Probe, Probe hose, Fuse, Leak test cap, Spare filter, Power cord, RS232, Built-in Printer, Printer paper, Communication cable				
Options	RPM & OIL temp. meter Built-in printer for KEG-200				

Features (KEG-500, KEG-200)

- · Outstanding accuracy, stability and durability
- Nox measurement (optional)
- Temporary pause to measurement(Hold function)
- Portable(compact size, light weight)
- Extra filters and printer paper
- Compatible with chassis dynamo and engine tune-up
- Durable Performance that has passed a severe cold test at -10 $^{\circ}\mathrm{C}$
- Automatic Temperature Adjustment (2~8 min)

- 6 LED Display Windows
- (CO, HC, CO2, O2, λ, NOX),
- Built-In Printer (KEG-500)
- Time and Date Display Option when using printer
- RS232 PC Program (KEG-500)
- Suitable for professional engine tune-ups
- ${\boldsymbol{\cdot}}$ Suitable for professional vehicle emission gas testing shops

DIESEL SMOKE OPACITY METER







Emission testing of Diesel engine possible

Standard Accessories

Optional Accessories

OP-201

Specification			
Model	OP-201		
Measuring items	Smoke opacity (%, k [m-1]), RPM (option), °C (option)		
Principle	Light extinction method (Partial-flow sampling type)		
Light source	Green LED(565nm)		
Detector	Photo diode		
Range	0.0~100.0% (0.00~21.42m-1)		
Accuracy	Less than 1%		
Warm-up time	3~6 minutes		
Display time	4 times /sec		
Power	110V/ 220V±10%, 50/60Hz		
Temperature	-10~40℃		
Dimension	450(W) x 200(D) x 245(425)(H) mm		
Weight (Net / Gross)	About 7kg / 11kg		
Option	RPM/ Oil temp. meter, Handheld terminal, Built-in printer, Standard filter, PC program		

Features (OP-201)

- Real-time smoke measurement(%, k [m-1])
- · Portable and LED display
- Outstanding accuracy, stability and durability
- Response time of 0.5 second
- Smoke, SOF measurement
- Easy to use with handheld terminal(option)
- Built-in printer(option)
- RS232C PC program
- RPM/ Oil temp. meter(option)
- · Auto-Zero/ Span calibration function

Installation and measurement OP 201

- Single unit of the analyzer covers the display and the printing of measured value that are recorded in its main body, and can be easily hand-carried.
- No more than one tester operator behind the wheel would be enough to conduct the free acceleration test to obtain the measured value stepping on the accelerator and using wired or wireless handheld terminal.
- In supply of diversified basic PC software
 PC program are provided in the way to cover regulations from
 various countries and also ramified for users' purposes such as
 governmental agency's use, inspection or repair of vehicle.

The manufacture reserves the right to change the product specifications without notice and liability in order to upgrade the quality.

DISEL SMOKE TESTER



Reflection Photometry Type

DS-2000

Specification		
Model	DS-2000	
Smoke sampling	Air cylinder	
Sampling Volume	330 ±15cc	
Display	digital display	
Testing method	standard contamination paper	
Measurement range	0.0~100 %	
Degree of indication	Max, indication 2%	
Min, Scale Value	0.1% (1/1000)	
Power supply	AC 220V / 50~60 Hz	
Dimension	330 x 360 x 370(mm)	
Packing dimension	360 x 380 x 380(mm)	
Weight (Net/Gross)	15 kg /18 kg	

Features (DS-2000)

- Semi-permanent life time guaranteed
- Indication of the value in decimal point to enhance the accuracy
- Rapid and accurate service system provided to realize the best service, regardless of service period