



MADE IN KOREA

The Excellent Company
Brand of Seoul



KOENG Emission Analyzer

KEG-500 AND OP-201

For Gasoline and Diesel engines

CE

Opacity meter

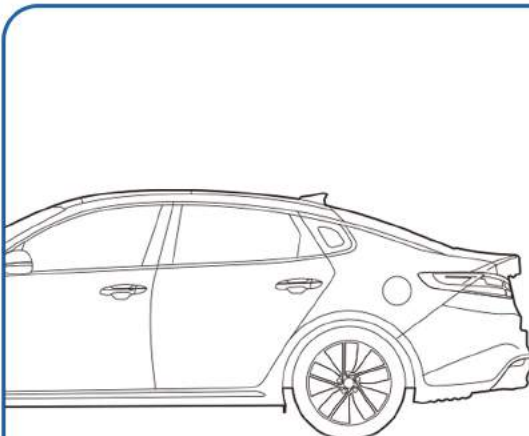


OP-201

Gas analyzer



KEG-500



Smoke meter



DS-3000

Automotive gas analyzer

KEG-500 (4GAS/5GAS)



KEG-500

Features

- CE certified
- Outstanding accuracy, stability and durability
- NOx measurement upgradable(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°C
- Automatic Temperature Adjustment (2~8 min)
- 6 LED Display Windows
- CO, HC, CO₂, O₂, λ , NOx measurement
- Built-In Printer
- Time and Date Display Option when using printer
- RS232 PC Program (optional)
- Suitable for professional engine tune-ups
- Suitable for professional auto smoke testing shops

KEG-200 (2GAS)



KEG-200



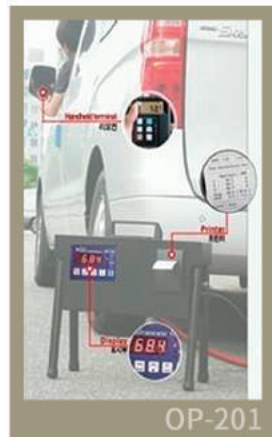
Model	KEG-500(5GAS, 4GAS)		KEG-200(2GAS)	
Measuring gas	CO, HC, CO2, O2, (air surplus rate), AFR, NOX (optional)			
Measuring method	CO, HC, CO2, Non-Dispersive Infrared Analysis(NDIR) O2, NOx: Electrochemical Cell			
	CO	HC	CO2	
Measuring range	0.00 ~ 9.99%	0 ~ 9999 ppm	0.0 ~ 20.0%	
Resolution	0.01%	1 ppm	0.10%	
	O2	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	1ppm
Display	4 digit 7segment LED			
Repetition Rate	Less than 2% FS			
Response time	Within 10 seconds (90% of the time)			
Preheat Time	Approx. 2~8 minutes			
Flow rate	4 ~ 6 L/min			
Power	220V / 110V AC, 50/60Hz			
Power consumption	Approx. 50W			
Operation Temp	0 ~ 40 °C			
Dimensions	285 (W) x 410 (D) x 155 (H) mm			
Packing size	530 (W) x 400 (D) x 350 (H) mm			
Weight (Net/Gross)	Approx. 4.5 kg / 12.5 kg			
Basic Accessories	Probe, Probe hose, Spare fuse, Leak test cap, Spare filter, Operation manual, Power cord, Ground cable, Calibration controller nipple, Calibration connecting hose			
Option	Printer, Printer paper, PC program, Communication cable (2gas optional)			

Features

- Portable (compact size, light weight)
- Outstanding accuracy, stability and durability
- Response time of less than 10 seconds
- Stand-by for low power consumption when unit is not in use
- Automatic adjustment of warming-up time (2-8minutes.)
- Two LED indicators
- Extra filters and printer paper
- Elegant and simple appearance

Opacity meter / Diesel smoke tester

OP-201



Features

- 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

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	220V / 110V AC 50/60Hz
Temperature	-10~40°C
Dimension	450(W) x 200(D) x 245(425)(H) mm
Packing size	470(W) x 380(D) x 300(H) mm
Weight (Net/Gross)	7 kg / 10 kg
Option	RPM/ Oil temp. meter, Handheld terminal, Built-in printer, Standard filter, PC program

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 user's purposes such as governmental agency's use, inspection or repair of vehicle.

DS-3000



Specification

Model	DS-3000
Input Power	AC 220V(200 - 240V) , 60HZ
Preheating Time	Within 3 minutes
Display Method	Digital Mode
Tolerance	± 2 %
Measurement Method	Filter paper infrared reflection
Response Speed	Response up to 90% within 2 seconds
Reality	± 2% of Maximum Scale
Repeat	± 1% of Maximum Scale
Scope of measurement	0 ~ 100 %
Density	Minimum scale : 0.1%
Induction time	1.4sec ± 2 Sec
Filter paper size	8 + 0.24 cdi
Scope of Temperature	-10°C - 40°C
Proper air pressure	4 - 5Kg / cdi
Filter paper	(circle) 5. A type
Dimension	330 x 220 x 170 mm
Weight	4kg

Features

- Convenient operation & extraordinary measuring accuracy .
- Solidly made goods & convenient to carry.
- Convenient operation for one person with cable remote controller.
- Convenient to use due to all functions are automatic except for transfer of measuring paper.
- Convenient measurement by adopting computerized ZERO Calibration function

Automotive Service Equipments



PRODUCTS

All kinds of automotive service equipment(Maintenance equipment, Workshop and Garage equipment)

1. Automotive service equipment

- Car lift • Wheel Alignment • Wheel balancer • Tire changer • ATF changer • Carbon cleaner • Anti-freezer recycler • Engine coolant cleaner
- Engine flush machine • Airconditioning refrigerant recycling • Garage jack • Multi press • Engine crane • Transmission jack • Frame jack
- Welding machine & Battery tester • Diesel fuel injection pump tester • Common Rail Diesel Injector Tester • CRDi rebuild system
- Brake & drum lathe • Vehicle inspection equipment(Roller brake tester, Alignment side-slip tester, Speed meter, ABS measuring system)
- Head light tester • Spark plug tester • Tire inflator • Gas analyzer • Diesel smoke tester • Opacity meter

2. Automatic car washing machine, Car mat cleaner, Steam car washer

3. Education equipment & system

4. E-mobility items : E-bike, E-kickboard, E-wheelchair, E-motorcycle, Remodeling kit, Battery pack.