

KOENG Vehicle Inspection Equipment



Side-slip Tester



Model	KEA - 3000	KEA-10000	KEA-15000
Maximum axle weight	3,000 kgf	10,000 kgf	15,000 kgf
Plate size(L X W)	750 X 500 mm	750 x 500 mm	750 x 1,000 mm
Measurable range	IN/OUT 0.0-15.0 m/Km		
Measuring type	Potentiometer		
Indication	F.N.D alarm & Lamp		
Dimension (LxDxW)	2,540x610x150mm	2,990x610x150mm	2,990x610x150mm
Power supply	AC 220V/1ph/50Hz		

Brake Tester



Model		KEB-3000	KEB-10000	KEB-15000
Max. Load/Axle(kg)		3,000	10,000	15,000
Max. Breaking force (kgf)		1,500	6,000	9,000
Roller	Inner x Outer(mm)	650 x 2,350	650 x 3,050	650 x 3,350
	Dia (Ø) X Length(mm)	Ø104 x 850	Ø124 x 1,200	Ø210 x 1,200
	Revolution RPM	9	9	9
Cylinder	Dia (Ø) x Stroke	150 x 110	255 x 110	300 x 110
	Lift air pressure(kgf/cm ²)	6	8	8
Detecting method		LOAD CELL	LOAD CELL	LOAD CELL
Power		220~380V/3PH/50	220~380V/3PH/50	220~380V/3PH/50
		HZ	HZ	HZ
Motor capacity		0.75KW x 2	2.2KW x 2	2.2KW x 2
Dimensions (L x W x H)		3,260 x 750 x 470	4,000 x 810 x 550	4,000 x 810 x 580

Speedometer Tester



MODEL	KES-3000	KES-10000	KES-15000
MAX. WEIGHT(kg)	3,000	10,000	15,000
MEASURING RANGE	0 ~ 120 km /h	0 ~ 120 km /h	0 ~ 120 km /h
Inner x Outer (mm)	570x2,270	650x3,350	650x3,350
Roller Dia (Ø) X Length (mm)	Ø 185 x 850	Ø 185 x 1,200	Ø 185 x 1,200
MEASURING SPEED	40 km/h	40 km/h	40 km/h
Cylinder	D x stroke	Ø150x110 mm	Ø255x110mm
	Q'ty	2 EA	2 EA
	Lift air pressure (kgf/cm ²)	6	6
DETECTING METHOD	Encoder		
DIEMENSION (mm)	2,600x750x470	3,100x830x550	3,210x850x650
POWER SUPPLY	AC 220V / 1ph / 50Hz		

ABS Control System



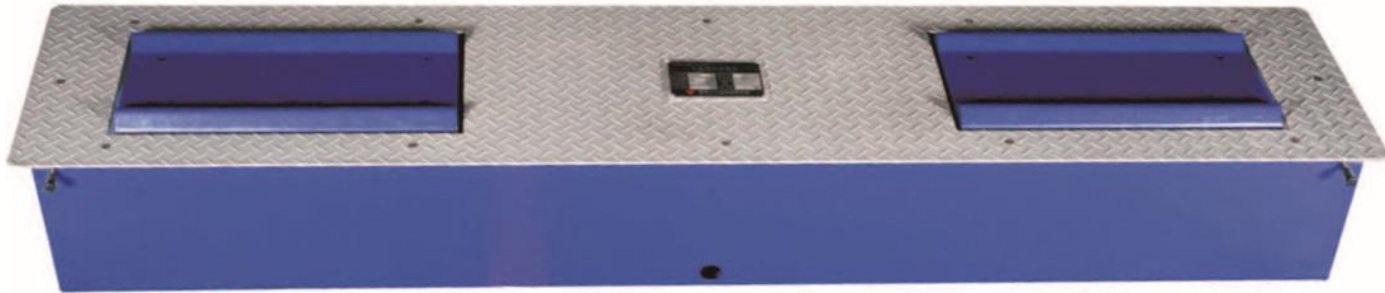
- ABS controller is ABS control unit which is composed of the computer to control the brake tester, speedometer tester, side slip tester, and axle load meter and processes the data of inspection.
- It is also equipped with the headlight tester, emission analyzer, diesel smoke meter, and taximeter tester as multi function complex controller.

Play Detector



Model	KEP-10000	KEP-15000
Load capacity	10 ton	15ton
Plate dimension	1000x750x220mm * 2	1200x800x220mm * 2
Max. movement power	20KN	20-30KN
Max. speed of movement	20mm/s	20-30mm/s
Motor power	0.5kw	2.2 kw
Power supply	380V/ 220V, 50Hz	380V/ 220V, 50Hz
Hydraulic pressure	16Mpa	17Mpa

Suspension Tester



Model	KEU-3000
Load capacity	3 ton
Trade Plate Distance Inner X Outer	800x2,200mm * 2
Vibration frequency(Hz)	>23
Absorptivity repeated error	<2%
Motor power	2x2.2KW

Emission Gas Tester



CE
Tested ISO3930, OIML R99 Class1



CE
Tested ISO3930

Model	KEG-500			
Measuring gas	CO, HC, CO2, O2, Lamda(Air surplus rate), AFR, NOX (5gas) optional			
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%	
	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			
Preheat Time	Approx. 2~8 minutes			
Flow rate	4 ~ 6 L/min			
Power	110V/ 220V \pm 10%, 50/60Hz			
Power consumption	Approx. 50W			
Operation Temp	0 ~ 40°C			
Dimensions	420 (W) x 298 (D) x 180 (H) mm			
Packing Size	530 (W) x 400 (D) x 350 (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			

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
Weight (Net/Gross)	About 7kg / 11kg
Option	RPM/ Oil temp. meter, Handheld terminal, Built-in printer, Standard filter, PC program

Full Automatic Headlight Tester



- High-speed 6000 image processing system ,quick to track the headlamp automatically.
- Dual CCD camera for accurate and reliable testing operation.
- LED display
- Powerful on-line adjusting function.
- VGA,PAL,RS232 interface, and confidential communication protocol.
- Runs fast at average 40s,and only 25 seconds with dual-lamp test synchronously.
- Test all halogen, xenon, LED headlamps
- Suitable for vehicles inspection stations, auto manufacturer and garages

Model	KEH-6000
Measuring range of Brightness	0-120,000cd
Center lens from the ground	350 – 1400mm ±10mm
Measuring range of Left and Right	Up 0-400mm/10m Down 0-560mm/10m Left 0-560mm/10m Right 0-560mm/10m
Accuracy	±32mm/10m
Power supply	220V±10%, 50Hz ±1Hz, 200w/37w
Guide rail	5m
Test distance	1m