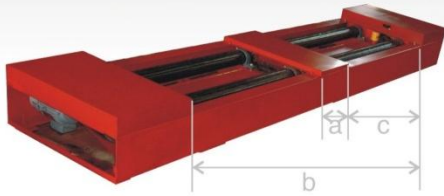


Vehicle diagnosis equipment



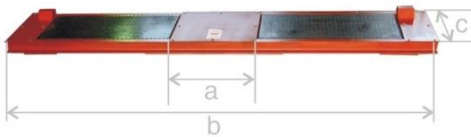
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Roller brake tester



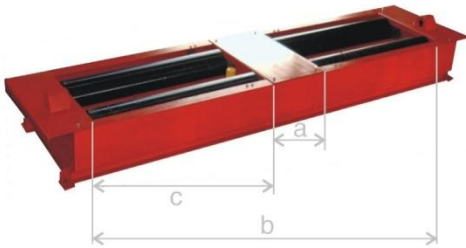
MODEL	KEB 3000	KEB 10000	KEB 15000	
MAX. WEIGHT (kg)	3000	10000	15000	
MAX BREAKING FORCE(kgF)	1,500	5,000	10,000	
RO-LLER	a x b (mm)	470 x 1630	470 x 2880	470 x 2880
	DIA(φ x c)(mm)	104 x 850	124 x 1200	124 x 1200
	Revolution RPM	9 rpm	8 rpm	8 rpm
SYLINDER	D x STROKE	φ150 x 125 ℓ	φ255 x 118 ℓ	φ300 x 110 ℓ
	Q'ty	2 EA	2 EA	2 EA
	AIR PRSSURE	6 BAR	8 BAR	8 BAR
DETECTING METHOD	LOAD CELL			
DIMENSION : L x W x H (mm)	3355 x 620 x 470	4000 x 810 x 670	4000 x 810 x 670	
MOTOR CAPACITY	200-380V/3ph/50-60Hz/0.7kw x 2	220-380V/3ph/50-60Hz/2.2kw x 2		

Alignment side-slip tester



MODEL	KEA 3000	KEA 10000	KEA 15000
MAX. WEIGHT (kg)	3,000kg	10,000kg	15,000kg
MEASURING RANGE	In/Out : 0.0 ~ 10.0 m/km		
DETECTING METHOD	POTENTION METER		
PLATE (a x b) x c	700 x 2200 x 500	745 x 2750 x 500	750 x 2950 x 1000
DIMENSION L x W x H (mm)	3060 x 610 x 140	3180 x 610 x 160	3380 x 1110 x 160
POWER SUPPLY	AC 220V / 1ph/ 50-60Hz		

Speed meter



MODEL	KES - 3000	KES - 10000	KES - 15000	
MAX. WEIGHT	3,000kg	10,000kg	15,000kg	
MEASURING RANGE	0 ~ 120km/h	0 ~ 120km/h	0 ~ 120km/h	
ROLLER	a x b (mm)	645 x 2345	490 x 2890	490 x 2890
	φ x c (mm)	φ185 x 850mm	φ185 x 1200mm	φ185 x 1200mm
MEASURING SPEED	40 km/h	40 km/h	40 km/h	
SYLINDER	D x STROKE	φ150 x 125 ℓ	φ255 x 118 ℓ	φ300 x 110 ℓ
	Q'ty	2 EA	2 EA	2 EA
	AIR PRSSURE	6 BAR	6 BAR	6 BAR
DETECTING METHOD	ENCODER			
DIMENSION L x W x H (mm)	2900 x 720 x 310	3210 x 850 x 650	3210 x 850 x 650	
POWER SUPPLY	AC 110V ~ 220V / 1ph/ 50-60Hz			

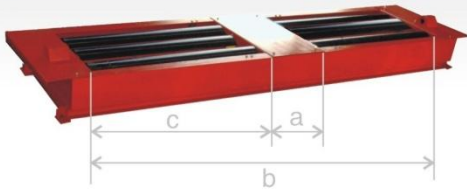
Head - light tester



MODEL	KEH - 3000
MEASURING LENGTH	3M
MEASURING RANGE	0 ~ 80000 cd
BODY DIMENSION (W x D x H)	700 x 525 x 1340
MEASURING HEIGHT	500 ~ 1200 mm
RAIL (W x L)mm	480 x 4000 mm
DIMENSION. L x W x H (mm)	415(W) x 300 x 325(H)
MEASURING ANGLE	UP 1°20" ~ down2°20" left2°20" ~ Right2°20"



Free roller



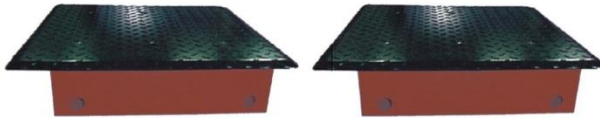
MODEL	KEFR - 3000	KEFR - 10000	KEFR - 15000	
MAX, WEIGHT	3,000kg	10,000kg	15,000kg	
ROLLER	a x b (mm)	645 x 2345	490 x 2890	490 x 2890
	Ø x c(mm)	Ø185 x 850mm	Ø185 x 1200mm	Ø185 x 1200mm
SYLINDER	D x STROKE	Ø150 x 125 Ø	Ø255 x 118 Ø	Ø300 x 110 Ø
	Q'ty	3 EA	3 EA	3 EA
	AIR PRSSURE	6 BAR	8 BAR	8 BAR
DIMENSION (mm)	2900 x 850 x 310	3210 x 850 x 550	3210 x 850 x 550	
POWER SUPPLY	AC 110V ~ 220V / 1ph/ 50-60Hz			

Axle load meter (weighting system)



MODEL	KEAL 3000	KEAL 10000	KEAL 15000
MAX, WEIGHT (kg)	3,000kg	10,000kg	15,000kg
DETECTING METHOD	ROAD CELL		
PLATE (a x b)	2200 x 500	2750 x 500	2950 x 1000
DIMENSION (mm)	3060 x 610 x 140	3180 x 610 x 160	3380 x 610 x 160
POWER SUPPLY	AC 220V / 1ph/ 50-60Hz		

Play detector



DIMENSIONS

Plate Dimension	740 x 740 x 170mm
Equipment weight	420 kg
Packaging dimensions	1,120 x 790 x 760 mm
Gross weight	500kg

Maximum weight per axle	18 ton
Motors	3 CV
Voltage (3-ph 1500 r.p.m)	220 / 380V
Thermal protector	10 A
Protecting fuse	3 A
Lamp	12V / 15V
Pump storing capacity	15 l.oil SAE-10
Hydraulic group	12 l / minute
Hydraulic pump	30.000 N
Side displacement	90 mm
Longitudinal and transversal movement of the left plate	
Longitudinal movement of the right plate	
Drive and control in lamp with cable	

Measuring unit



ABS - Manual type

ABS - Automatic type



Gas analyzer



Model **KEG - 500(4GAS)/(5GAS)**

Measuring item	CO, HC, CO2, O2, λ (air surplus rate), AFR, NOx (optional)		
Measuring method	CO, HC, CO2 : NDIR Method O2, NOx : Electrochemical Cell		
Measuring range	CO	0.00-9.99%	HC 0-9999ppm 0-20,000ppm(optional)
Resolution		0.01%	1ppm
Measuring range	CO2	0.0-20.0%	O2 0.00-25.00%
Resolution		0.1%	0.01%
Measuring range	λ	0-2.000	AFR 0.0-99.0
Resolution		0.001	0.1
Measuring range	NOx	0-5000ppm	
Resolution		1ppm	
Repeatability	Less than ± 2% FS		
Response time	Within 10 seconds (more than 90%)		
Warming up time	About 2-6 minutes		
Sample collecting quantity	4-6 L/min		
Power	AC110V / AC220V ± 10%, 50 / 60Hz		
Power consumption	About 50 W		
Operation temperature	0°C ~ 40°C		
Dimensions	285 (W) x 410 (D) x 155 (H) mm 530 (W) x 430 (D) x 350 (H) mm		
Packing dimensions			
Net Weight(Gross weight)	4.5kg(9.2kg)		
Basic accessories	Probe, Probe hose, Spare fuse, Leak test cap, Spare filter, Power cord, Ground cable, Calibration controller nipple, Calibration connecting hose Rs 232, Communication Cable Printer		

Opacity meter



Compact type



Portable type

Model **OP-50**

	Range	Resolution	Accuracy
Opacity	0-100%	0.1%	2%
K	0-99.99m-1	10.01m-1	2% (calculated on opacity value)

Oil temp, Rpm

Specifications	Compact type	Portable type
Optical path length		364 mm
Light source	Green LED (560 nm)	
External connections	RS 232 for PC-connection, Centronics (not for integrated printer) Rpm adapter (option), Oil temp. probe (option)	
Warm-up time	approx. 3 minutes	
Temperature range	-20°C to +40°C	
Power supply	230 VAC, 50/60 Hz, Approx. 1 A., (12 VDC version optional)	
Detector	Silicon Photodiode	
Size (measuring unit)	460 x 340 x 260 (mm)	
Size (display unit)	530 x 530 x 320 (mm)	380 x 250 x 180 (mm)
Weight (measuring unit)	13.4 kg	7.0 kg
Weight (display unit)	7.0 kg	4.5 kg

Sound level meter



Model **2062**

Applicable standard	IEC 651 TYPE2, JIS C 1502
Frequency range	20Hz ~ 8.000Hz
Measuring range	30 ~ 130dB(A), 40 ~ 130dB(C)
Microphone	Type E-2, 1/2 inch back, Electric Condenser, Microphone
Dynamic range	40dB ± 10dB
b B range	30 ~ 70dB, 60 ~ 100dB, 90 ~ 130dB
Measuring mode	Sound level LP(A), Sound pressure level LP(C), Max, hold
Resolution	0.1 dB
Calibration	Internal oscillator
Display	4 digits, 7 segments, Over-load, Under-load display
Out put	AC output(linear), DC output(log), 1 V/Full scale, Impedance 10K
Operating condition	- 10 ~ +50 C humidity 30-85%
Power supply	3V x 2, 100VA (Adapter)
Dimensions	168(H) x 70(W) x 31(D)mm, With microphone 243(L)mm Weight:300g(Mike, battery included)

Automatic smoke tester

Model **DS - 3000**

Features

- Automatic three mode
- Portable (compact size)
- Internal printer
- Pc Program (RS232) (optional)
- Wireless remote control (optional)



Specification

Measurement principle	Reflection photometry
Smoke sampling	Air cylinder
Sampling volume	330 ± 15cc
Display	digital display
Measurement range	0 ~ 100%
Power supply	AC 110V or AC220V ± 10% 50/60Hz
Dimensions (mm)	250(W) x 400(D) x 250(D)
Weight	About 8kg

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Manual type VS Automatic pc type

Manual type

Manual type display for side slip tester, speed meter, brake tester : Manual type can read the value but it can't save the data and can't be printed out.



Automatic PC type

automatic display : It can connected pc and displayed values as follows.



SIDESLIP	BRAKE	SPEED	PRINT	INDICATOR
INSPECTION READY	BRAKE TESTER	SPEED METER TESTER	PRINT	

HEAD LIGHT TESTER KEH-3000S

KEH-3000S

Features

- This tester detects the intensity and beam of headlight (UP/DOWN & L/R)
- Ease to use and operate.



Specification

Model.	KEH-3000S
Measured Distance	3,000mm
Measured Intensity of Light	0 ~ 80,000cd
Measured Angle	Up 10 ~ 0 Down 20
	Left 20 ~ 0 Right 20
Measured Type	Screen Reflection Type
Detected Method	Photocell
Measured Height	500 ~ 1,300mm
Size of Body	1530×700×640