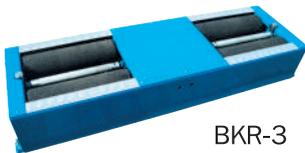




# Roller Brake Tester

## Model: BKR series 型号: BKR series



BKR series roller brake tester is an up-to-date one to measure vehicle's braking performance. During testing, the slip rate between wheel and roller is monitored to determine the maximum brake force automatically. The tester's driving motor would be shut down automatically either when testing finished or vehicle tested running out of the tester in order to protect tires very well.

BKR系列用于检测车辆的制动性能。在测试中，自动实时检测车轮与滚筒之间的滑差值并获取最大制动力值。当被试车辆驶出或测试结束时试验台电机自动停止转动以保护轮胎。



Ceramic roller surface makes the friction factor more than 0.6 either being wet/dry to avoid the tire damage.

利于保护胎面的粘砂滚筒表面，干/湿态附着系数大于0.6

All frames made with high-quality steel and galvanized or painting sprayed. 优质钢材机架并经镀锌或喷漆处理。

BKR can test either 2WD or 4WD vehicles with additional sub-assembly. 使用附件，BKR就可以测试四轮驱动车辆。

## Function and Interface 性能简介



With Windows based software, all test procedures will be carried out automatically. There is a database to let customer easy to trace back and search test results.

视窗兼容软件，所有检测过程可自动运行。内置数据库便于查找检测数据。

- Running on Windows
- Vehicle information registration
- Brake force curves
- Self diagnostic
- Self zeroing for each test
- Sensors mal-function indication
- Intelligence calibration aided
- Test data base
- Summary report and curve report output
- RS-232 and Ethernet ports
- English version software and other language available

- 视窗操作系统
- 车辆信息登录
- 制动过程曲线
- 故障自诊断
- 每次测试前自动清零
- 自动指示传感器故障
- 智能标定帮助
- 检测数据库
- 数字打印与曲线打印
- RS232C、网络接口
- 其它语言软件可选

## Summary results 主要测试结果

Brake force per wheel 各轮制动力	N
Drag force per wheel 各轮阻滞力	N
Brake force of hand brake 驻车制动力	N
Deceleration per axle 轴减速率	% or $m/s^2$
Deceleration of whole vehicle 整车减速率	% or $m/s^2$
Imbalance per axle 制动力差	%
Round out of wheel 轮毂失圆度	%



## Specifications 技术规格

Items 项目		BKR-3	BKR-10(15)
Axle load allowed 允测最大轴重	kg	3,000	10,000 (15,000)
Brake force range per wheel 量程	N	2X6,000	2X30,000 (2X40,000)
Roller diameter 滚筒直径	mm	200	245
Roller lateral spacing 滚筒轴向间距	mm	380	445
Testing speed 测试速度	km/h	2.2	2.3
Track distance Min 最小跨距	mm	900	950
Track distance Max 最大跨距	mm	1800	2600
Roller set dimension 台架尺寸	mm	239X725X375	4200X980X520
Accuracy 精度		± 3% F.S.	± 3% F.S.
Drive motor 驱动电机	kW	2X2.2	2X11 (2X15)
Operation temperature 使用温度	°C	5 - 40	
Roller surface 滚筒表面处理		Cramic coating	
Weight 自重	kg	950	1800 (1850)

## Optional kit 选件

### Weighting device

称重台

Kit: W-3, W-10

With W series weighting device to get brake acceleration value automatically.

选择称重台以进行车辆减速率测试。

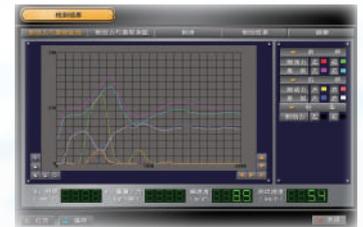
### 4WD additional roller kit

四驱车辆测试台架

Kit: R-3, R-10

This kit perform the AWD car test with additional roller set.

选择该配置，就可以进行四驱车辆的制动测试。



## Control center 控制系统

1. U3 console body	U3型柜体	Corrosion free surface by powder Spray, moving foots防腐喷涂处理
2. Computer system	计算机系统	Industrial PC, Intel Core 2, 2G Memory, 1T HardDisk, 10/100M Ethernet Port, 19" LCD, Laster jet A4
3. Net-working	联网通讯	TCP/IP
4. Compress air supply	气源压力	0.6~0.9 MPa
5. Power supply	电源	220VAC 50Hz kW
6. Operation temperature	使用温度	5~40°C
7. Operation humidity	使用湿度	≤90% (无结露)
8. Dimension	外形尺寸	900×600×1100mm

\*Note: Other specification of power supply is available on request.

注：如需其他规格的电源请在订货前提出。

