BrakeCheck

- Portable
- DVSA-approved
- Easy to Use
- For *all* Vehicle Classes
- Tests Service *and* Hand Brake
- Suitable for ABS-equipped Vehicles
- Portable Printer Available
- Download Data to PC
- Printer, Carry Case and Software Available
- Motorcycle Mounting Bracket Available
- Multiple Variants for Different Vehicle Types

Overview

The BrakeCheck is our portable, DVSA-approved Brake Tester.

The Bowmonk BrakeCheck is a fully self-contained, user-friendly, portable brake tester, used by workshops, government traffic authorities and Authorised Test Facilities (ATF's) around the world to record the braking efficiency and percentage of braking imbalance of all classes of vehicle from a Motorcycle to an HGV, in a matter of minutes.

The BrakeCheck is also approved by the DVSA for performing the quarterly voluntary brake tests now required as part of the interim safety inspections.

The Bowmonk BrakeCheck determines braking efficiency of both the Service Brake (Foot Brake) and Hand Brake by measuring the rate of deceleration from a speed of around 20 mph until the vehicle comes to rest.

Designed to be self-compensating, the instrument will indicate on the LED screen when it is positioned level enough to perform a brake test, with a generous tolerance to ensure that this is easy to achieve.

The unit indicates whether the vehicle pulls to the left or right during braking, and is also capable of measuring and displaying acceleration.

Test results can be viewed on the display panel or downloaded to a PC for saving or printing. A printed report can also be produced at the time of testing using the portable infra-red printer.

The device operates on a rechargeable lithium-ion battery pack and will power-down after a period of inactivity to conserve energy.

The BrakeCheck is available in a number of variants which cover all common and specialist vehicle types, including forklift trucks and quarry vehicles. A variant supporting secondary brake testing is also available.

Features

- 3-Axis Accelerometer
- Measures Peak Deceleration Front/Rear
- Measures Average Deceleration Front/Rear
- Measures Peak Acceleration Left/Right
- Vehicle pulls Left/Right indication and value
- Calculates Stopping Distance (displayed in metres or, by special request, feet)
- Calculates Test Speed (displayed in km/h or, by special request, mph)
- Can be used for Hand Brake Test
- Audio Signal
- Measures Ambient Temperature in °C and °F
- Battery charger supplied, with appropriate plug for destination country
- Operates for approximately 5 hours or approximately 120 tests on full charge
- Can be used after 5 minutes of charging
- Battery charge indicator
- Automatic level compensation
- Simple LED indicator system
- Easy to use
- "Calibration Required" indicator
- Three digit readout
- Display can be read in sunlight
- Internal self-diagnostics
- Test results are stated in 'G' units and are accurate to +/- 0.02G (results can be stated in m/s² by special request)
- Size: 170 x 80 x 35 mm
- Weight: 0.4kg
- Range of accessories available

Model Variants

BrakeCheck (all vehicles)

The BrakeCheck is the only DVSA approved kit for testing all classes of vehicle, including:

- Motorcycles and Quad bikes / ATVs (requires optional handle-bar mounting kit)
- Passenger Cars
- Light Commercial Vehicles (LCV), e.g. vans
- Heavy Goods Vehicles (HGV), e.g. articulated and non-articulated trucks
- Passenger Service Vehicles (PSV), e.g. buses, coaches and minibuses

BOW801 – BrakeCheck

Stores 1 Service Brake & 1 Hand Brake test into memory.

BOW801KIT - BrakeCheck Kit

Includes a BOW801 BrakeCheck, a wireless printer, a spare printer paper roll, a carry case and a CD with documentation.

BOW801S - BrakeCheck with Secondary Test

Stores 1 Service Brake, 1 Secondary Brake & 1 Hand Brake test into memory.

BOW803 - BrakeCheck Plus

Stores 99 Service Brake & 99 Hand Brake tests into memory.

BrakeCheck TT (Trailer Test)

The BrakeCheck TT (Trailer Test) is very similar to the standard BrakeCheck unit, but has the facility to display separate results for the truck and trailer braking efficiencies.

Note that, as with any portable brake testing device, the BrakeCheck TT is not DVSA-approved for trailer brake testing. To gain DVSA approval a test device must be able to determine whether the wheels have locked up, which is not practically possible with a portable device.

BOW820 - BrakeCheck TT

Stores 99 Service Brake, 99 Hand Brake and 99 Trailer Brake tests into memory.

BrakeCheck FLT (Forklift Truck)

The BrakeCheck FLT (ForkLift Truck) is very similar to the standard BrakeCheck unit, but has been developed with a leading forklift truck manufacturer to take account of the slow speed and tilt of forklift truck vehicles.

BOW801L - BrakeCheck FLT

Stores 50 Service Brake and 50 Hand Brake tests into memory.

BrakeCheck4Quarries

The BrakeCheck4Quarries is very similar to the standard BrakeCheck unit, but tests the parking brake via an inclined brake test (i.e. checking that the parking brake keeps the vehicle stationary on an incline rather than measuring deceleration of the vehicle itself). It is also able to prompt the user to enter the condition and type of surface on which the brake test will be carried out, selectable from the following options:

- Wet ground
- Dry ground
- Snow or ice
- Tarmac

BOW812 - BrakeCheck4Quarries

Stores 99 Service Brake and 99 Hand Brake tests into memory.

Accessories

IR Printer

Part Code: BOW805

This wireless infrared printer, enclosed in a ruggedized rubber casing, allows the BrakeCheck to print brake test results after each test. The printer is supplied with a charger, with an appropriate plug for the destination country.

Carry Case

Part Code: BOW813

A sturdy carry case for the BrakeCheck and its charger, which also accommodates the BOW805 wireless printer (& its charger), a spare printer paper roll, and a CD.

Note - part code BOW813 is for the carry case only. A complete kit, including BrakeCheck and printer, can be ordered under part code BOW801KIT.

CabCheckS Software

CabCheckS (Computer Aided BrakeCheck Software) allows data to be downloaded from the BrakeCheck to your PC, from where it can be viewed on-screen, saved or printed. The Vehicle Registration Number, Trailer ID and name of the inspector can be added to each test, as well as any additional notes.

In order to use CabCheckS the BrakeCheck must be connected to your PC via either the serial or USB download cables shown below.

CabCheckS is available in the following versions:

- Standard - as detailed above
- MOT - as Standard except without the facility to save data to the PC
- Quarry - specifically for the BOW812 BrakeCheck4Quarries

Part Codes:

- **BOW810** - CabCheckS PC Software (please specify required version)
- **BOW804** - Serial download cable
- **BOW815** - USB download cable

Handle Bar Bracket & Clamp
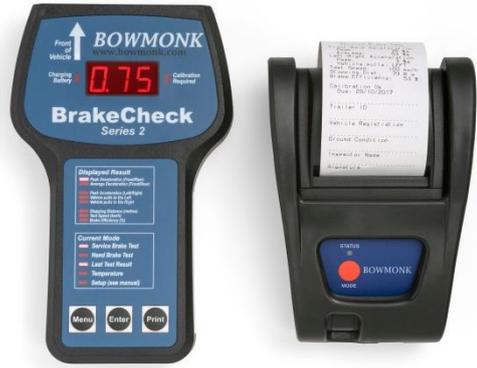
Part Code: BOW811

The handle bar bracket & clamp allows the BrakeCheck to be securely mounted to the handlebar or front bull bar of a motorcycle or quad/ATV in order to carry out brake tests. The combined BrakeCheck with handle bar bracket & clamp (part codes BOW801 & BOW811) is fully DVSA-approved for the testing of brakes on these types of vehicle (Class I & Class II), including for vehicles with ABS or linked braking systems.

Please note that in order to retain DVSA approval for Class I & Class II vehicles, the BrakeCheck must be secured to the vehicle using the BOW811 bracket.

Additional Images

BrakeCheck

BrakeCheck with Optional Printer

BrakeCheck Kit

BrakeCheck Kit

BrakeCheck with Motorcycle Bracket

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        BrakeCheck
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Serial No:    BRK18001
S/W Version: 1.1.13

     Company ID:
     BOWMONK LTD

  Log memory:   1

Test Performed:
13:19:44 09/12/2015
Timezone: GMT ( 0000 )

     Service Brake Test
     ==================
Front-Back Deceleration
   Peak:           58 %g
   Average:        36 %g
Left-Right Acceleration
   Peak:            1 %g
   Vehicle pulls: RIGHT
Test Speed:       16 km/h
Stopping Dist :    2.8 m
Brake Efficiency:   35 %

Calibration Ok
  Due: 29/11/2017

. . . . . . . . . . . . . . . . . . . . . .
Trailer ID

. . . . . . . . . . . . . . . . . . . . . .
Vehicle Registration

. . . . . . . . . . . . . . . . . . . . . .
Ground Condition

. . . . . . . . . . . . . . . . . . . . . .
Inspector Name

. . . . . . . . . . . . . . . . . . . . . .
Signature
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Sample print-out