Turnkey Instruments Ltd

BrakeSafe

Brake Tester With Printer



- **Measures and prints brake performance**
- **Suitable for all cars, HGVs and PSVs**
- **VOSA approved for MOT testing**
- **Approved for all classes excluding classes 1 & 2**
- **Portable and easy to use**

BrakeSafe has proved to be an invaluable tool for all fleet operators, maintenance depots and testing stations. It can be used to test brakes on all types of road-going vehicles. It measures mean and peak deceleration and the time to stop. It also evaluates the test speed, stopping distance and straightness of stop.

BrakeSafe is easy to use and can be located anywhere in the vehicle. It is self-levelling and no connections need to be made to the vehicle. Optionally, the instrument can be used to measure and record pedal force, in this case a transducer is attached to the brake pedal. This also allows the delay time of the braking system to be determined.

All test printouts are annotated with the time and date of the test, vehicle identity and type of test. To save the user having to type in an identity each time the instrument is used, it can remember up to 96 vehicle IDs, each of 16 characters. These can be pre-entered via the keypad or downloaded from a PC. The user then simply selects the appropriate ID at the start of the test. Similarly, the instrument can also remember up to 32 trailer IDs.

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BrakeSafe can determine if the vehicle pulls to the left or right during a brake test. Providing the instrument is properly aligned, the test printout will show the mean percentage pull to the left or right. What's more, the graph printout clearly illustrates when the pull occurs and its peak value. If the vehicle stops dead straight, the pull-line will be straight across the middle of the graph. If it pulls left, the pull-line will move to the left as the vehicle does so and in proportion to the amount of pull. Or if it pulls to the right, the pull-line will move right. This unique graphical feature enables individual brake faults to be traced and rectified.

BrakeSafe has a simple one-button repeat for service-secondary-parking brake test sequences or repeated tests on the same vehicle.

BrakeSafe can also be used to measure and record the acceleration profile of the vehicle and produce a graph of how it accelerates, and the time taken to reach a given speed.

BrakeSafe is designed, developed and manufactured by Turnkey. As such we can provide the best after sales and technical support to our customers. Its design has evolved over many years in response to customer feedback and as a result we believe BrakeSafe is simply the best brake tester available today, anywhere.

Product development is continuous and Turnkey Instruments reserves the right to make alterations in specification and manufacture without notice.

BrakeSafe Features

Standard Features

Range	0 to 140%g
Accuracy	Better than ±2%g
LCD Display	2 lines of 16 characters, lit.
Printer	Built in dot matrix type
Memory	Up to 50 test with graphs 96 vehicle IDs 32 trailer IDs
Clock	All results time-stamped, quartz crystal accuracy
Battery	12 hr operation, rechargeable
Size	220 x 140 x 75 mm
Weight	2 kg
Carry Case	Leather

Optional Features

PC-Link	To download stored test results to the **Brake for Windows** database program.
Force Sensor	BrakeSafe can measure and record the force applied to brake pedal during the test.

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