

AutoStop Maxi[®]

Brake performance testing

AutoStop Maxi

AutoStop Maxi is a portable, battery-powered in-vehicle brake performance tester that measures average and maximum acceleration, stopping distance, test speed and pedal-force required to stop a vehicle.

It evaluates brake performance in a quick reliable manner and prints an accurate test report that complies with International Standards.

An efficient diagnostic and compliance tool, designed to test service and emergency brakes of passenger cars, light and heavy goods vehicles, buses, light and heavy rail and transit vehicles.

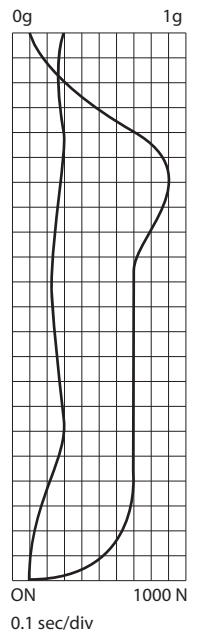
The unit is used by garages, workshops, service and testing stations and regulatory authorities. Since its introduction, AutoStop Maxi has found a ready acceptance with vehicle regulating authorities and vehicle operators throughout the world. Optional data logging and download to PC through USB and Bluetooth connectivity.



AUTOTEST
Maxi
BRAKE REPORT
Customer Copy

Reg no : ABC 123
Date : 09 Jan 12
Time : 14: 11
Service Brake

Speed=32.6 km/h
Stopping
Dist=9.7m
Decel Avg=0.60g
Decel max=0.81g
Time: 2.14sec
Pedal effort:
Max = 296.5 N
Delay : 0.67 sec



Signature:
ID No : DEMO

Calibration by
VIPAC
on 11 Jan 12
Cal Due : Oct 14
SN:23317, Rev 6.2

This test is
compliant with
ECE Reg. 13.

AUTOTEST
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4 easy testing steps with AutoStop Maxi

STEP 1: Secure the Maxi in the vehicle with its strap or optional floor-mounted magnet in a horizontal position with the lid open and facing forward. Attach the load cell to the brake pedal to test the service brakes.

STEP 2: Turn on the Maxi and enter examiner's ID and the vehicle's registration number. Start the test by accelerating the vehicle to the required speed.

STEP 3: Apply the brakes by pressing your foot on the load cell attached to the brake pedal, until the vehicle is stationary.

STEP 4: After the vehicle has come to a stop, the Maxi evaluates the brake performance, and displays and prints the test results.



Features:

- Calculates and displays average and maximum deceleration, distance to stop, test speed and pedal-force required to stop the vehicle
- Calculates and displays MFDD (Mean Fully Developed Deceleration) in accordance with ECE Reg 13
- Prints two original reports (one for the customer, the other for the examiner) as a permanent record of the test results, date, time, examiner's ID number and the vehicle's registration/VIN number
- Price Competitive
- Lightweight (3.0kg), compact (123 x 267 x 246mm) and portable
- Robust construction that is water resistant and petrol, chemical and acid proof
- Conventional (QWERTY) keypad lay-out, with tactile membrane cover
- LCD display
- Adjustable display control
- Both metric and imperial units of measurement
- Built-in integrity check
- Rechargeable, sealed, acid-gel battery,

with low battery level indicator and automatic shut-down

- Calibration that is internationally traceable through NATA
- 24 month calibration interval
- 12 month warranty
- Low-cost spare parts, accessories and consumables
- Comprehensive after-sales service and assistance
- Internet support hotline

Optional features:

- Numerous user-entry hardware and software options
- Graphical output
- USB and Bluetooth interface
- Stores over 100 test results with USB or Bluetooth

Specifications:

Input

- Load Cell: rated to less than $\pm 1N$, -1000N
- Accelerometer: rated to less than $\pm 1\%$ over 0-1.5g

Output

- Display: 8-character LCD
- Built-in printer (Dot Matrix)

Analysis of test results

- Average and maximum deceleration
- Test speed
- Stopping distance
- Time to stop
- Foot pedal force

Power source

- 12V, 1.9AH, sealed-lead acid rechargeable battery

Printer

- Paper: maximum diameter: 48mm; width: 44.5mm (± 0.5 mm)
- Ribbon: Epson type ERC-05
- Ribbon life: equivalent to 3 paper rolls
- Print speed: 1.0 line/sec

Standard accessories

- Battery charger (Australia Only)
- Paper roll
- Printer ribbon
- Paper roll spindle
- Printer cover plate assembly
- Straps or optional floor-mounted magnet for case restraint
- User Manual

Note: Outer appearance and specifications are subject to change without prior notice.

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