

# AutoStop Heavy Brake Meter

## BRAKE PERFORMANCE TESTING



AutoStop® Heavy 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.

### Compliant with AS3450/ISO3450 Australian Standard

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 heavy and slow-moving vehicles, off-road vehicles and even fork lifts used in the transport and mining industries.

Equipped with a built in GPS/Glonass receiver that will provide the latitude and longitude of the position where the test was carried out.

### 4 Easy Testing Steps with AutoStop® Heavy

**STEP 1:** Secure the Heavy 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 Heavy and enter the 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 Heavy evaluates the brake performance, and displays and prints the test results.



# AutoStop Heavy Brake Meter

**BRAKE PERFORMANCE TESTING**

## Features:

- Calculates and displays average and maximum deceleration, distance to stop, test speed and pedal-force required to stop the vehicle
- 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 (123x267x246mm) 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 intentionally traceable through NATA
- Interval of calibration as determined by the relevant local authority
- 12-month warranty
- Low-cost spare parts, accessories and consumables
- Comprehensive after-sales service and assistance
- GPS or Glonass or Galileo positioning receiver, providing longitude and latitude
- Position acquisition time - 1 Min Maximum
- Software configurable
- Internet support hotline for diagnosis and calibration

## OPTIONAL FEATURES

- Numerous user-entry hardware and software options
- Optional external accelerometer for isolated driver cabins
- Optional output to ISO 3450

## Specifications:

### Input

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

### Output

- Display: 8-character LCD
- Built-in printer (Dot Matrix)
- Usb or Bluetooth interface

### 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 ( $\pm 0.5$ mm)
- Ribbon: Epson type ERC-05
- Ribbon life: equivalent to 2 paper rolls
- Print speed: 1.0 line/sec

### Standard Accessories

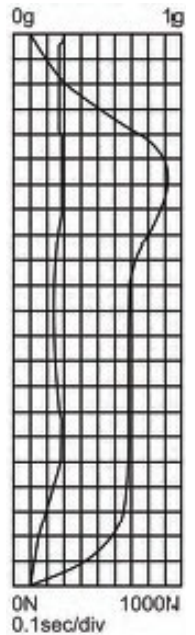
- Battery charger (Australia Only)
- Paper roll
- Printer ribbon
- Paper roll spindle
- Printer cover plate assembly
- Straps or optional floor-mounted magnet for case restraint
- User Manual

AUTOTEST  
HEAVY  
BRAKE REPORT  
Customer Copy

Report no:  
55230206131216

Reg no : ABC 123  
Date : 06 /Feb /00  
Time : 13:12:16  
Lat : -37.7898902  
Lon: 144.9346771  
Service Brake

Speed=32.6 km/h  
StoppingDist=9.7m  
Decel Avg=0.60g  
Decel max=0.81g  
MFDD=9.8 m/s<sup>2</sup>  
Performance=71%  
Capability=62%  
Time: 2.14sec  
Pedal effort:  
Max = 296.5 N  
Resp. : 0.00 sec  
Slope : 0 deg UP



Signature:  
ID No : DEMO

Calibration by  
Autotest  
on 11 Oct 00  
Cal Due : Oct 01  
SN:23317, Rev 6.2

This test is  
compliant with  
ISO3450

## NETBRAKE

### Optional Extra - Fleet management and reporting software

Extend the capabilities of your AutoStop Heavy brake meter with this powerful vehicle database and brake test reporting software application. Specifically developed for use with AutoStop Heavy brake meters, it assists the mining and heavy vehicle industries in Australia to manage brake test records, brake test standards and calculations for fleets.