

## BRAKE PERFORMANCE TESTING

## TEST ALL CLASSES OF VEHICLES



An efficient diagnostic and compliance tool, designed to test Service and Emergency brakes. Compliant with roadworthy regulations.

### UNIQUE FEATURES

- Measure's pedal-force required to stop a vehicle
- Measure's average and maximum deceleration
- Measure's stopping distance and test speed
- Evaluates brake performance
- Prints an accurate test report
- Complies with International Standards
- Built in GPS/Glonass receiver providing latitude and longitude of test position
- Battery powered

### 4 Easy Testing Steps with AutoStop® Maxi

**STEP 1:** Secure the AutoStop® Maxi-GPS 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 AutoStop® Maxi-GPS 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 AutoStop® Maxi-GPS evaluates the brake performance, and displays and prints the test results.



Step 1



Step 2



Step 3



Step 4



### 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
- GPS or Glonass or Galileo positioning receiver, providing longitude and latitude
- Position acquisition time - 1 Min Maximum
- Software configurable

### Specifications:

#### Input

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

#### Output

- Display: 16-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, 2.2AH, sealed-lead acid rechargeable battery

#### Printer

- Paper: maximum diameter: 48mm; width: 44.5mm ( $\pm 0.5\text{mm}$ )
- 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

### Optional Features:

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



### Also available in the GPS Roadworthy Kit, including :

- AutoStop Maxi with GPS
- AutoLight Magnetic
- AutoTest Headlight Align