AutoStop® Maxi-GPS

AutoStop® Maxi-GPS 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-GPS 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.

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® Maxi-GPS

**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.

**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

**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 (±0.5mm)
- 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

**Specifications:**

**Input**
- Load Cell: rated to less than ±1N, -1000N
- Accelerometer: rated to less than ±1% over 0-1.5g

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

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