



DaTo Light Vehicle Testlane

DaTo-Brake Tester For Car

FEATURES:

- ✓ High practicality and efficiency
- ✓ Quick detection of all brake measurement data
- ✓ Guide information showed on the display
- ✓ Hot-dipped galvanized roller set frame
- ✓ Axle load 3.5t
- ✓ Test speed 5.1km/h
- ✓ Extendable to test lane
- ✓ Ground, column or wall mounted control
- ✓ Column or swivel arm mounted analogue LED display (as option)
- ✓ Electromagnetic motor brake as drive out support (as option)
- ✓ 4 Wheel-Drive-Kit (as option)
- ✓ Roller cover plates (as option)
- ✓ Motorcycle cover plates (as option)
- ✓ Robust radio remote control (as option)



VEHICLE SUSPENSION TESTER

DESCRIPTION:

TLIJ104 Vehicle Suspension Tester is used to inspect the shock absorption performance of vehicles with independent suspension system. When the vehicle parks on the platform, the static wheel load will be measured by the sensor and displayed on the Monitor/Display Board. Then the motor will start to drive the Eccentric Wheel in the tester, which subsequently results into the vibration of Vibrating Plate. The motor will shut down automatically after reaching its nominal power. The plate will continue vibrating because of inertia, and result in sympathetic vibration between wheels and suspension. The minimum dynamic wheel load will be obtained during the sympathetic vibration. Then the absorption rate (displayed as percentage) can be calculated. The higher the absorption rate is, the better the suspension performance of the vehicle will be.

FEATURES:

- ✓ EUSAMA measurement standard.
- ✓ Wheel load function integrated.
- ✓ Protection program (plates start vibrating when load is >200kg).
- ✓ High precision sensor ensures the accuracy of inspection result.
- ✓ Galvanized plates with longer service life.
- ✓ Result display in visual graph.



TLIJ104

Item	TLIJ104
Max. drive-over load	4000 kg
Max. test wheel load	1500 kg
Vibrate plate dimensions	700 × 300 mm
Oscillation	6 mm
Vibrate frequency	≈24 Hz
Motor power	3.0 kw x 2
Power supply	3PH 380V, 50Hz,ground

KXJ-10
10000 kg
1500 kg
650 × 400 mm
6 mm
>16 Hz
2.2kw x 2
3PH 380V, 50Hz,ground



PC Cabinet

VEHICLE SLIDE SLIP TESTER

DESCRIPTION:

Vehicle Side-slip Tester inspects the axle wheel alignment between camber and toe while the vehicle is driving in a straight direction. The distressing plate guarantees a correct and accurate measurement.

FEATURES:

- ✓ Side-slip Plate & Protection Frame integrated structure
- ✓ Side-slip plate locker with inner key.
- ✓ Maintenance-free body design.
- ✓ Galvanized plate surface for longer service life.
- ✓ High precision sensor to ensure the exactitude of result.
- ✓ Upper and lower Dual Bearing System makes smooth movement.
- ✓ Options of syn-chronic or independent motion type for different regulation requirements.
- ✓ Over-value alarm function.
- ✓ Standard RS-232 connection port.


TLIS103

TLIS118

TLIS115

PC Cabinet

TECHINCAL DATA:

Item	
Max. axle weight	
Measuring range	TLIS103
Sideslip board dimensions	3000 kg
Release board dimensions	±20 m/km
Structure form	600×500 mm
Power supply	600×250 mm
TLIS115	Single plate with release
15000 kg	AC 220V, 50Hz,ground
±20 m/km	TLIS118
1100×1000 mm	18000 kg
1100×300 mm	±20 m/km
L-R double plate	750×1000 mm
AC 220V, 50Hz,ground	/
	single test plate
	AC 220V, 50Hz,ground

MANUAL HEADLIGHT TESTER

FEATURES:

- ✓ Accurate inspection for high beam and low beam of automobiles, independent testing; fog light testing option available.
- ✓ Bright LCD screen, with professional Windows graphical operating system.
- ✓ "Arbitrary" 2D moving mechanism, laser-assisted positioning system to ensure easy artificial lights physical center alignment operation.
Standard RS232 communication port (optional) to computer, reliable network software.
- ✓ Optional blue-tooth wireless communication module, optional mini-printer a special design to convenient user's operation.
- ✓ Suitable for manual adjustment and inspection of automobile headlight height.
Suitable for use in various vehicle detecting organizations, vehicle inspection stations, automobile industry, repair and maintenance garages.
- ✓ Optional rechargeable battery module, adapt to a variety of work environments.
- ✓ Optional rail install version.

TECHNICAL DATA:

Item	
Measuring range of High light illuminating intensity	
Measuring range	
Height Measuring range	
Measuring distance	
Indicated value error of High light illuminating intensity	
Indicated value error of High light & near light axis offset	
Temperature	
Relative humidity	CSB-600M
Power supply	0~120000 cd
Outer size	vertical direction: up 350mm/10m ~ down 525mm/10m (up2° ~ down3°) horizontal direction: left 525mm/10m ~ right 525mm/10m (left3° ~ right3°)
	35~130 cm
	500m ±5mm
	±10%
	±12%
	-5~40°C
	≤90%
	AV 220 ±10% 50/60HZ
	Whole engine(L×W×H): 680×570×1580 mm

DHA901


EMISSION ANALYZER

FEATURES:

- ✓ It used for measuring automotive emission exhaust CO, HC, CO₂, O₂, and NO.
- ✓ LCD display with Chinese/English operation menu. It is easy to operate.
- ✓ Inside bench is world advanced bench that meets OIML Class 0 made by HORIBA Japan. The other sensors are imported world brand products.
- ✓ It has the functions with auto zero, auto calibration and leak check.
- ✓ Flexible probe can suit almost all kinds of tail tubes.
- ✓ It is equipped with the newest aluminum alloy drain separator, so that the efficiency of water separation is better.
- ✓ Original 30 seconds fast warm-up function.
- ✓ Auto compensation ambient pressure and environmental temperature for eliminating variable influence.
- ✓ Auto calculate engine AFR, A.
- ✓ It is equipped with two idle test functions.
- ✓ It can store more than 200 measuring results for read.
- ✓ It equipped with standard RS-232 interface and DC 0-1V.
- ✓ Signal output for connecting computer easily to you.
- ✓ Enable upgrade soft with ISP interface.



DEA502

TECHINICAL DATA:

Item	DEA502
Connection of sample gas	Probe is attached
Sample gas flow rate	Approx. 6 L/min
Sample gas pressure	From 0.0 kPa to 1.0 kPa
Repeatability	CO: 0-10.00% within ±0.02% vol or ±3% of readings, 10.01-15.00% within ±5% of readings CO ₂ : 0-16.00% within ±0.3% vol or ±3% of readings, 16.01-18.00% within ±5% of readings HC: 0-2000 ppm within ±4 ppm vol or ±3% of readings, 2001-5000 ppm vol within ±5% of readings, 5001-10000 ppm vol within ±10% of readings O ₂ : 0-10.00% within ±0.4% vol or ±3% of readings, 10.01-25.00% within ±1.0% vol NO: 0-5000 ppm vol within ±8% ppm vol or ±3% of readings
Power supply	AC 100-220V 50/60Hz
Mass	Approx. 7.5 kg
Warm-up time	30 seconds
Response time	10 seconds

SMOKE OPACIMETER

FEATURES:

- ✓ Split structure, separated measuring unit and control unit for easy operation.
- ✓ Large LCD screen, Chinese or English interactive menu, with opacity reading and light absorption coefficient reading, simple, direct and convenient operation.
- ✓ With functions of free acceleration test and measurement of transients, automatic process of test data and display of measuring results.
- ✓ With functions of License Plate Number entry, save, data and view.
- ✓ 15 minutes warm-up time, automatic zero reset.47-1999.
- ✓ With functions of License Plate Number entry, save, data and view.
- ✓ 15 minutes warm-up time, automatic zero reset.
- ✓ With adoption of advanced partial flow technology, measuring unit tests smoke emissions of diesel-powered vehicles directly. "Scavenge air curtain" technology prevents the optical system from being polluted. With constant temperature control in the sample cell, it can avoid condensation and influence of accuracy due to change of temperature.
- ✓ With functions of data printing and communication with host computer, serial RS-232C interface or RS-485C interface can be selected.
- ✓ The performance meets the requirement of ISO11614 and GB3847-1999.



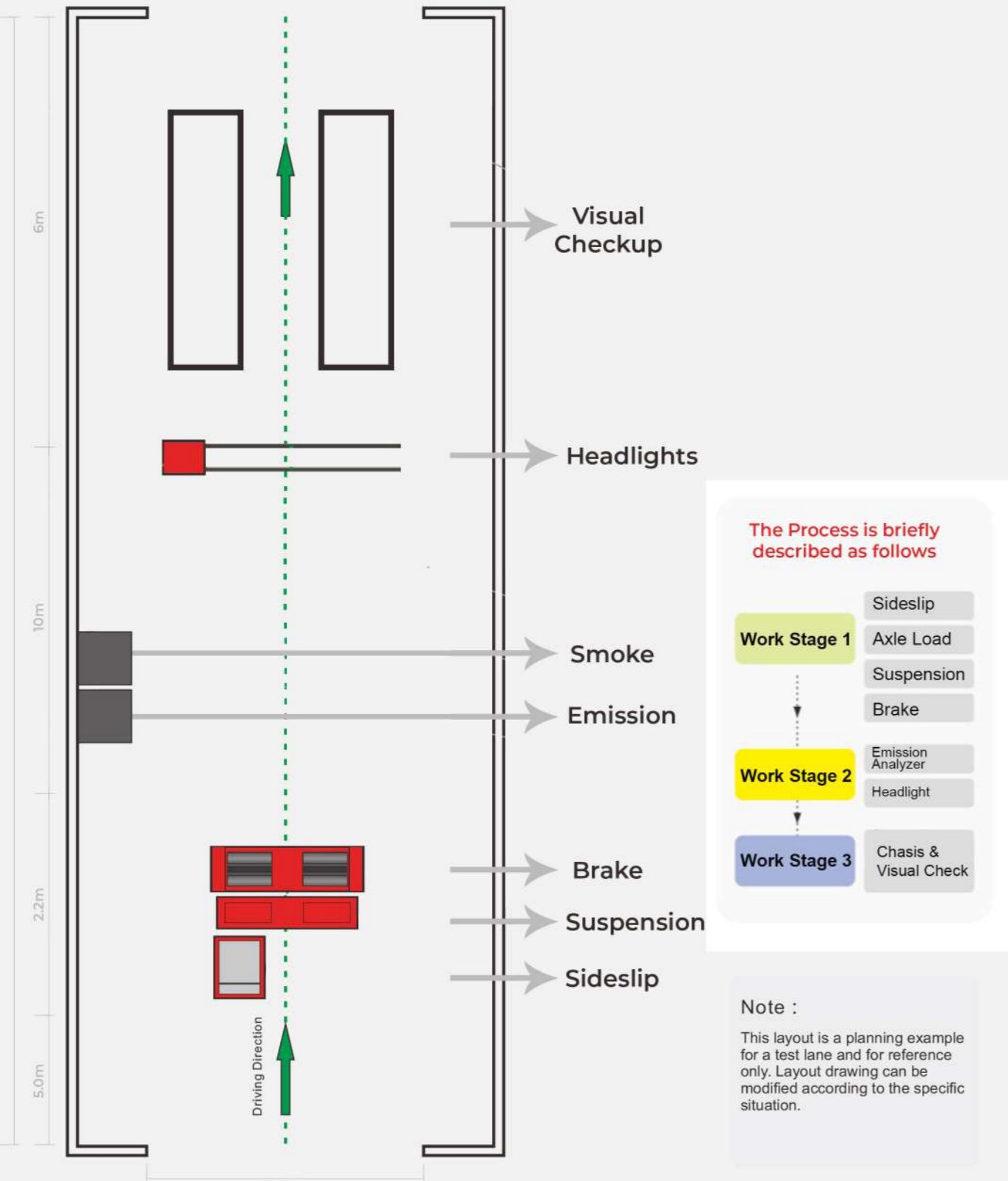
DSA 301

TECHNICAL DATA:

Item	DSA 301
Measuring Range	Opacity N: 0~99.9% Coefficient of light-absorption k: 0~16m ⁻¹
Resolution	Opacity N: 0.1% Coefficient of light-absorption k: 0.01m ⁻¹
Indication error	±2%
Stability	±1%/h
Ambient temperature	5~40°C
Relative humidity	0~90%
Power	AC 220V ±10% 50Hz ±1%
Weight	3 Kg
Output	RS-232(1200, 2400, 4800, 9600, 19200)



Light Vehicle Automatic Testlane Layout



Light Vehicle Automatic Testlane Standard List

No.	Picture	Name	Model/Specification	Quantity	Notes
Main Equipment Standard Configuration					
1		Brake Tester	TLIB103	1	
2		Sideslip Tester	TLIS103	1	
3		Suspension Tester	TLIJ104	1	
4		Smoke Opacimeter	DSA301	1	
5		Gas Analyzer	DEA502	1	
6		Manual Headlight Tester	DHA901	1	
Work stage Configuration					
7		20.02.15.1009 20.02.15.1007		1	
8		Master computer	415processor G3900 / 4G RAM / 500GB HD / USBkeyboard mouse/ 19" monitor	1	
9		Laser Printer		1	Optional

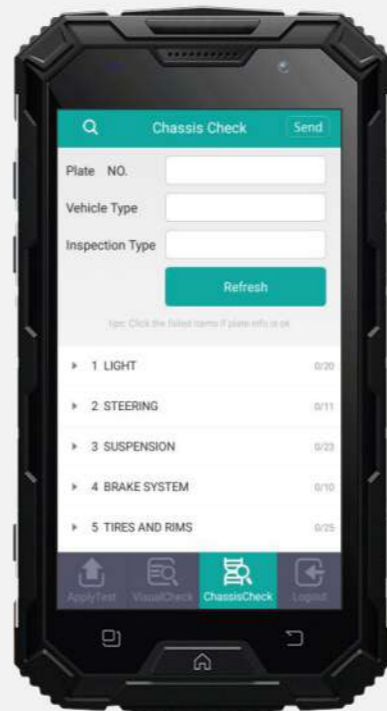
VISUAL-CHECK WIRELESS PDA INPUT TERMINAL (Optional)

OVERVIEW:

DaTo Visual-check Wireless PDA Input Terminal(CSB-PDA) is designed for users who need a truly portable, compact and durable PDA for data collection and photograph upload during Vehicle Inspection. It fits all kinds of Vehicles and equipped with "3-proof" (Water-Proof/Shock-Proof/Dust-Proof) smart mobile phone.

KEY FEATURES:

- ✓ Multi-language (English/Spanish/French/Thai/German).
- ✓ Access & Transmit (All test results can be transferred to DaTo Automatic Test lane control system).
- ✓ Vehicles' Log-in Information Confirm and Inspectors' information Input.
- ✓ Collecting photos' of fault items for Visual check & Chassis check.
- ✓ Real "No-paper" Inspection: High-efficiency & Environmental friendly.
- ✓ Able to cooperate with Automatic number plate recognition System (CSB-ANPR) & Underground Sense Coil system (CSB-SCS).



Task List

Search by license plate number

Select license plate type

Initial Test

tips: Enter the license plate information,easy to search and select specific vehicles

Initial Test Re-check

Waiting inspection vehicle list

Apply Test Visual Check Chassis Check Logout

Visual Check

Plate NO. CNB7125

Vehicle Type MiniCar

Inspection Type In vehicle inspection

Refresh

tips: Click the failed items if plate info is ok.

1 LIGHT 0/20

2 STEERING 0/11

3 SUSPENSION 0/23

4 BRAKE SYSTEM 0/10

5 TIRES AND RIMS 0/25

Apply Test Visual Check Chassis Check Logout

Chassis Check

Plate NO.

Vehicle Type

Inspection Type

Refresh

tips: Click the failed items if plate info is ok.

1 LIGHT 0/20

2 STEERING 0/11

3 SUSPENSION 0/23

4 BRAKE SYSTEM 0/10

5 TIRES AND RIMS 0/25

Apply Test Visual Check Chassis Check Logout

Task List

Send Initial Items

Plate NO. KAU-3882 Code

Plate Type 1 Inspection Times

tips: Fill in and then send the form

Vehicle Info

Plate Type: Oversize vehicle

Chassis Type: FWD HB2

Axle No: 2 Handbrake Position: 2

Oil Type: Petrol

Inspection Items

OutCheck1 OutCheck2

Emission test Sideslip

Front brake Middle brake

40105 Repair/Replace Reverse Light Abortion

40106 Repair/Replace Light Qualified

40107 Repair/Replace Direction Lights Minor Defect

40108 Repair/Replace Hazard Lights System Major Defect

40109 Repair/Replace Sign Light Extreme Defect

Select and send the test item

Test results

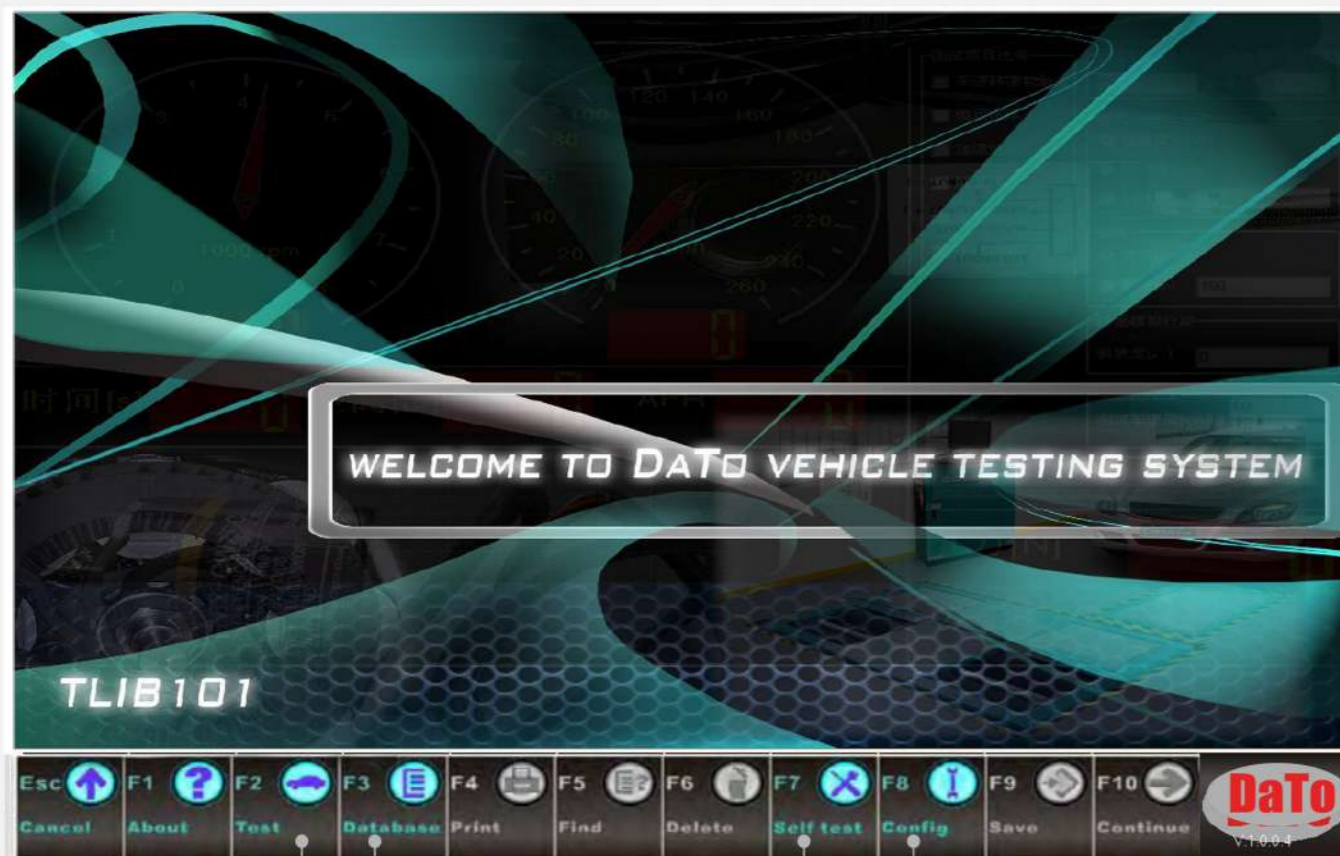
N in 1 AUTOMATIC TESTLANE CONTROL SOFTWARE

OVERVIEW:

This vehicle test system consists of Brake, Suspension, Wheel load and Side-slip tester function. The Test-line is a fully automatic vehicle test line which is designed and developed by DaTo. With the user-friendly operation menu, it takes only 3 minutes to inspect a vehicle's wheel brake performance, wheel resistance force, suspension adsorption rate, wheel load, side-slip value.

DaTo integration system is able to be connected with other external equipment such as Speedometer, Headlight, Exhaust emission, etc. It is a computerized process control, easy operation and user-friendly control menu. Its mechanical structure is compact and reliable, with high precision sensors to ensure the exactitude of inspection result.

Enter the vehicle information of the vehicle to be tested



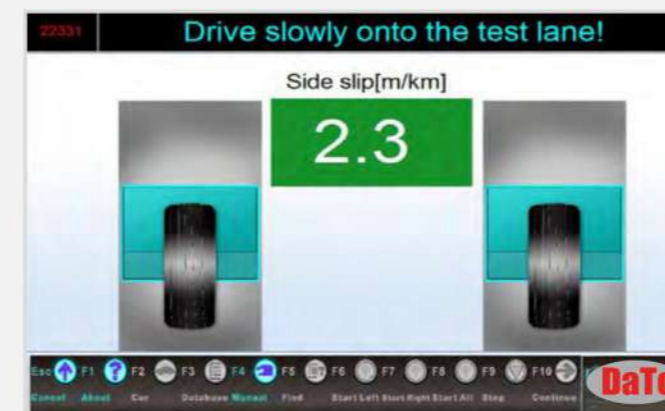
Launch test

Result data and print

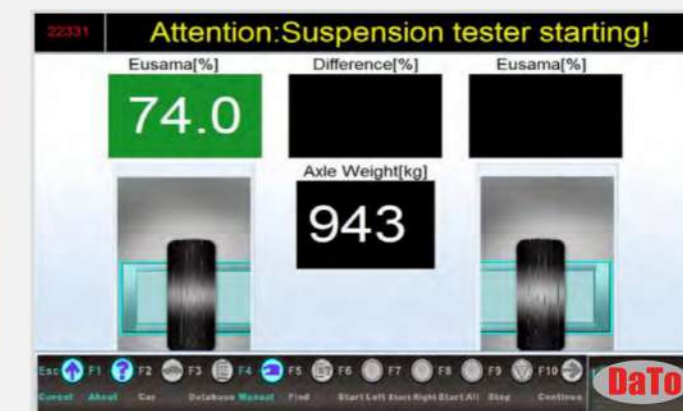
Check equipment signal

System settings and equipment calibration

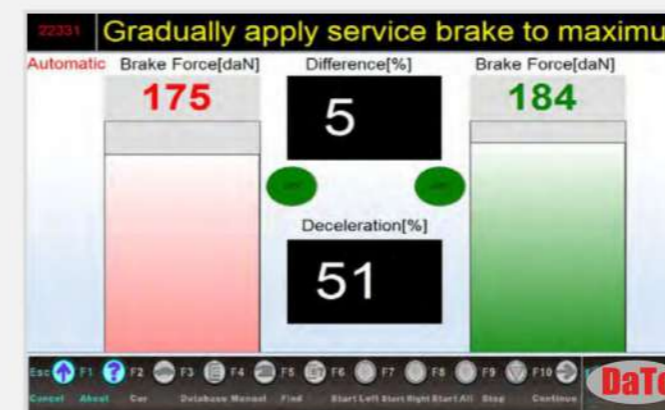
System main interface



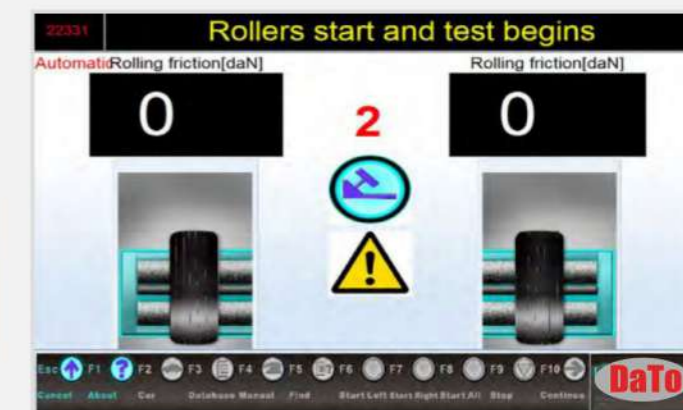
Sideslip test



Suspension test



Front and rear wheel resistance and brake test



Parking force test