

Instruction Manual



Brake Testing



Workshop Solutions Pty Ltd
P O Box 110
Potts Point NSW 1335
Phone: 61 2 9360 2795
Fax: 61 2 9327 1267
info@platetronic.com
www.platetronic.com

F1



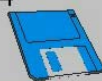
F2



F3



F4



F7



TruckStop Heavy Vehicle Brake Test System

PlateTronic Heavy Vehicle Brake Test Instruction Manual

The following is a step by step guide to the operation of the Platetronic Heavy Vehicle Brake Test System.

Start the Brake Test Procedure

1. Switch on the Power Back up unit, wait for green light, then switch on the PC
2. The following screen will appear



F1	Calibration Check
F2	Weighbridge Function
F3	Brake Test Function
F4	Stored Results
F7	Exit Program

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Now you need to determine if the PlateTronic is to be used with or without the Brake Pedal Force Meter and / or Pressure Sensor. If you are not using these please proceed to **Brake Test Procedure.**

To set up the test click on **F1** (screen changes) then click **F2** Tools.

Select the check box for configuration only if you are using the Brake Pedal Force Meter and / or Pressure Sensor, otherwise leave boxes blank.

Pedal

Pressure Sensor

If you have selected the above boxes, make sure you have already connected the Brake Pedal Force Meter and / or the Pressure Sensor. If they have not been connected an error will be generated and you will need to start the procedure again.

Press **OK**

Press **F7**

This takes you back to the original screen.

Now use either the remote control or the mouse and select **F3** to prepare to test 1st axle or use keyboard.




Brake Test Procedure

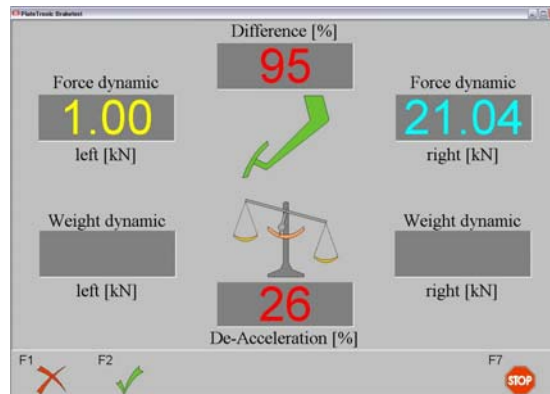
Using either the remote control or the mouse, select **F3** to prepare to test 1st axle or use keyboard.

Aboveground Unit : Drive the vehicle onto ramp and stop.

Inground Unit : Drive vehicle to within approximately 500mm of the start of the test machine – line up vehicle and roll slowly – 3kph onto brake test plate and stop.



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On the bottom left hand side of the screen enter or click either  if the test is okay, or  if you wish to cancel and start again. If you wish to cancel and start again, you must reverse back before selecting . The brake pedal symbol will reappear.



Repeat this procedure for each axle.

Handbrake Test

When finished the brake test, tick axle and then reverse back. Click **F2** handbrake symbol on the brake test screen, roll forward and pull on handbrake. Click  to do test again or  if happy with test result.

When you have finished testing the vehicle, click on **F6** to view the overall results.

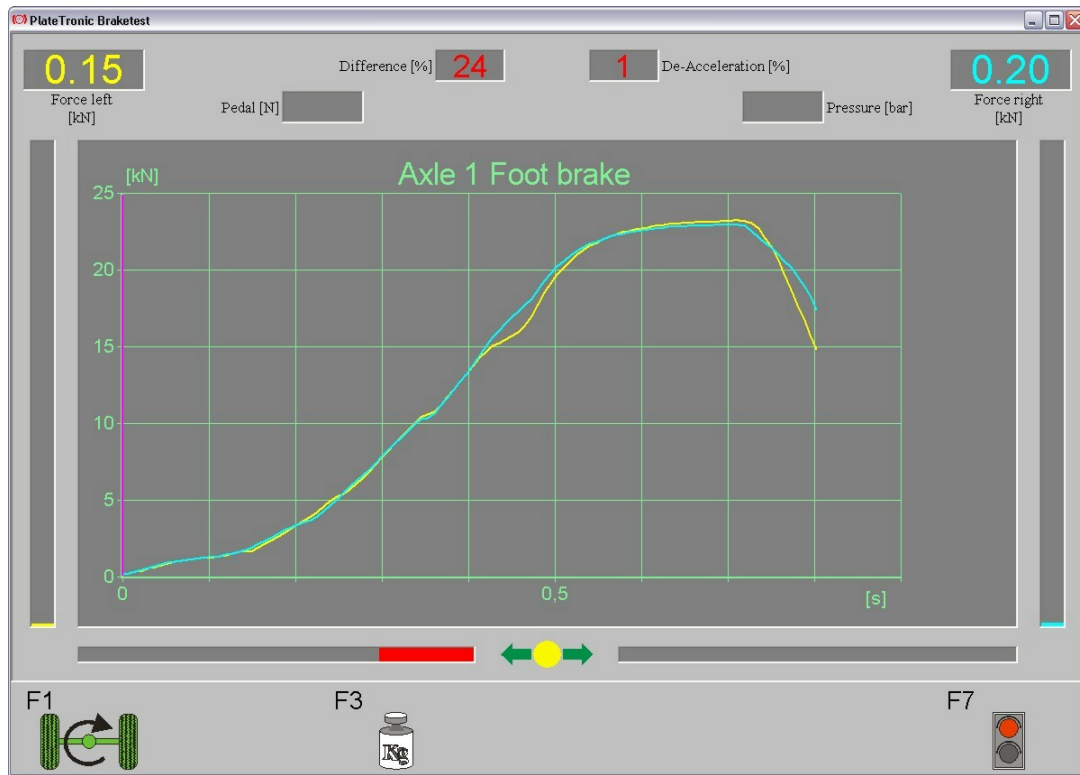
Click **F2** to enter the vehicle details. When this is complete, press enter, then enter again. This stores the data.

Now press **F1** to print the test results.

If you require multiple copies of the result simply press **F1** the number required.

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F3 allows you to view on screen the graph of the test results



F1 will show the individual axle test results

The screenshot shows the 'PlateTronic Braketest' software interface with a table of test results. The table is divided into two sections: 'Foot brake' and 'Hand brake'. Each section has a table with columns for Axle, Force [kN] (left, right, total), Diff. [%], Weight dynamic [kN] (left, right, total), Diff. [%], De-Accel. [%], Pedal [N], and Pressure [bar].

Foot brake											
Axle	Force [kN]			Diff. [%]	Weight dynamic [kN]			Diff. [%]	De-Accel. [%]	Pedal [N]	Pressure [bar]
	left	right	total		left	right	total				
1	23.22	22.96	46.18	1					25.1	--,--	--,--
2	25.41	25.14	50.54	1					1.43	--,--	--,--
Sum	48.62	48.10	96.72	1					1.38		

Hand brake										
Axle	Force [kN]			Diff. [%]	Weight dynamic [kN]			Diff. [%]	De-Accel. [%]	Pressure [bar]
	left	right	total		left	right	total			
2	25.13	24.73	49.86	3					1.26	--,--
Sum	25.13	24.73	49.86	3					1.26	

At the bottom of the interface, there are four function keys: F1 (printer icon), F3 (graph icon), F4 (stop sign icon), and F7 (stop sign icon).

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Weighbridge Function

Press **F2** on main screen.

Drive onto weighbridge plates

Press **F2** to store axle weight. The axle weight will be displayed.

Repeat for each axle on vehicle.

Press **F1** to print result.

Press **F7** to exit.

Printer

Your printer is covered by the manufacturer's warranty. Please refer to the handbook for any assistance with printer problems. Before calling for a service fault, firstly check the paper supply and the ink cartridges. If any need replacing, do so and then test. If the problem persists, call the nearest service centre for the printer.

For any assistance with the operation of the PlateTronic Heavy Vehicle Brake Tester, please call the office directly on 02 9360 2795.

PLATETRONIC WARRANTY STATEMENT

The TruckStop Brake Testing System installed by Workshop Solutions, is warranted against faulty workmanship and materials for a period of twelve (12) months from the installation date. Please note that load cells carry a three year warranty period.

Conditions

The TruckStop must not be modified in any way or added to without the company's approval. It must be used under correct operating conditions.

5t / wheel weight limit

No forklifts on plates

No trolley jacks or other equipment with steel or hard plastic or steel rollers or wheels pushed or driven over the plates.

Warranty Exclusions

Damage caused by misuse, abuse or neglect

Damage from modifications or incorporating other parts

Damage resulting from, violent storms, lightning or an act of God