

Mobile Performance Based Brake Tester Trailer

Meets FMCSA Functional Specifications as called out in the Notice of Final Determination Guidelines of “Development of Functional Specifications for Performance-Based Brake Tester Used to Inspect Commercial Motor Vehicles” (65 FR 48799) US DOT FMCSA-98-3611 (Federal Register / Vol. 65, No. 154 / Wednesday, August 9, 2000 p. 48809)

Operational with up to 20,000 lb. per wheel end or 40,000 lb. per axle.

Functional in ambient temperatures ranging from -30 F to 120 F.

All controls and computer readouts are visible to the operator in direct sunlight.

All exposed surfaces are finished in a corrosion-resistant powder coat finish.

Resistant to degradation from ultraviolet light including coatings, hoses and unpainted plastic parts.

The integrated trailer has a valid U.S. DOT certification label. All lighting, markings, brakes, wheels, tires and safety attachment devices are compliant with Attachment E 49 CFR 393 and 49 CFR 571.

Trailer Tow Requirements:

- Receiver type - 2” ball diameter
- Gross trailer weight (GTW) - 5700 lbs. with ramps/accessories
- Trailer tongue weight (TW) - 650 lbs. with ramps/accessories
- Safety chains required- Yes (class III recommended)
- Trailer brake type- Electric
- Trailer electrical connector and voltage - 7 pin x 12 volts
- Ball mounts drop or rise requires determination with tow vehicle

Secured full-size spare tire and rim compatible with the existing tire/rim currently mounted to trailer. All tools required to change a tire are included with the unit.

The system provides step-by-step prompting throughout the entire test, provides “pass” or “fail” indicators after each axle test and after the test. Real time test feedback is compliant with the CVSA “North American Standard Inspection Procedure for Performance-Based Brake Testing”.

Hand control to select test type, input vehicle identifiers and control the test. Hand control has warming feature to maintain a constant 42-48 degrees. An additional hand controller, hand controller cable and download cable is also requested.

The system is operated manually via a hand-held controller with its own LED display screen

that displays real time test results to the operator. Hand Controller LED displays up to 14 different parameters for each axle or wheel end to include weight, rolling resistance, deceleration and "Pass" or "Fail". Should an axle fail minimum requirements, the operator has the option to retest that axle. Should an invalid test occur, the fault description will be displayed until operator acknowledges fault for retest or continuation of test.

Provides report at the end of the test. The report data includes vehicle and inspector identifiers, "Pass" or "Fail" in accordance with applicable FMCSR 393.52, validity of test and advisory wheel position results.

The VIS portable PBBT degree of protection is IP 65.

The VIS portable PBBT is bi-directional and can be operated from either end of the machine.

The system is equipped with two clearly labeled emergency stops located at each end of the machine.

Weighing feature to be used in the calculation of brake performance (dynamic weighing during braking procedure) and is also capable of being used as a static scale for vehicle screening. The weighing configuration is piezo based.

Capable of measuring individual wheel weights and provides individual wheel, axle and total weight reports.

Capabilities for future wheel end deceleration testing as may be specified by federal or state regulatory amendments and dynamic weight calculation.

All aluminum ramps with the ability to test a spread axle, tri-axle configuration up to ten feet without requiring movement or any manipulation of test entry/exit ramp configuration. Total number of ramps supplied is 16.

Includes a software package that captures and stores the data from each test. Test results can be stored in Microsoft Windows based software that allows the printing of graphs and tables to analyze problems with the vehicle. Software can accommodate testing of vehicles with up to 11 axles.

Includes (2) two 12-volt power point connections located at both ends of the tester.

Includes Operation manual, Maintenance Manual, Calibration Procedure instructions.

(3) Year manufacturer's warranty with a (2) year option at a fixed price. (parts / labor / onsite repair)

Onsite vendor training