



Portable Electronic Wheel Weighers from MSI

Measurement Systems International



Weigh your load on the road, at the jobsite or almost anywhere.

Today more than ever, there is great concern over damage to the nation's highways, secondary streets and bridges caused by overweight and unbalanced vehicles. Most every state and municipal law enforcement agency have adopted and practice weight inspection programs in an effort to insure highway safety and protect taxpayer investment.

By utilizing large capacity fixed truck scales, weight inspections are typically administered at roadside stations along the major highways. Unfortunately, it has been cost prohibitive to apply the same inspection methods along secondary roads. However, today there is a cost-effective alternative for exercising accurate and spontaneous inspection programs virtually anywhere.

Through the application of portable wheel and axle load scales, weight inspection can be

administered at a fraction of the cost associated with fixed truck scales. Both law enforcement and trucking companies have benefited alike from this product concept.

Now, MSI offers an unbeatable combination for totally electronic portable wheel weighing equipment . . . the MSI-5300 "Load Ranger" and MSI-5200 "Bantam."

Get some mileage out of your wheel weighers... take 'em on the road.



The Load Ranger

Specifically designed for mobile weight enforcement programs, Load Ranger is convenient to use. Extremely lightweight and compact, a weight inspection station may be set up within minutes on a variety of road surfaces. Each weigh pad is totally sealed from outside influences and has 10 tons of loading capacity, while integral ramps allow for easy on and off vehicle loading. Pushbutton controls and a large digital display provide for simple operation and easy reading. Power is supplied by a single 6 volt rechargeable battery, allowing up to 40 hours of continuous use between charging. A battery charger is included with each set of pads for quick recharging from 110/230 VAC or 12 VDC vehicle power. Load Ranger is pretested and certified by the National Institute of Standards and approved to Class III standards, providing accurate and credible equipment for your inspection needs.

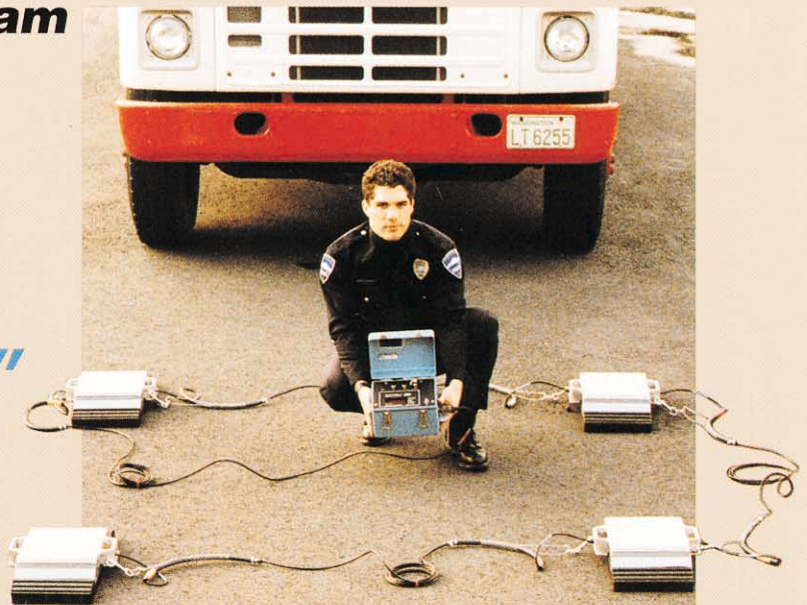
The Bantam System

Similar in concept and design to the "Load Ranger", MSI's "Bantam" electronic wheel weighing system combines the same mechanical and structural integrity plus many more features for enhanced product versatility and expanded application use.

Easily transported in your trunk, the "Load Ranger" is portable with simple setup.

Load Ranger and Bantam

**"The portable
and affordable
combination for
your mobile
weight inspection"**



Bantam is composed of a multiple number of pads (2, 4, or 6) cable linked to a common digital weight indicator. Each weigh pad is constructed of heavy duty aluminum, individually sealed and rated for up to 7.5 tons of loading capacity. Integral ramps and a non-skid rubber base are incorporated for easy on and off vehicle loading with no slipping on virtually any type of surface.



**Overloaded and
Underloaded
Vehicles.**

The complete Bantam system is neatly packaged in a heavy duty storage case for instant access or quick stowing. Set-up is fast and simple, as all connecting cables are color coded for operator identification. An inspection station can be set up by an individual in minutes.

The true versatility of this system lies in its microprocessor based electronics. Simple pushbutton indicator operation provide a variety of functions, including On/Off, Zero and selectable readings for displaying individual pad weights or combinations for indication of axle weights. An RS232 data output is also available should interface to a remote scoreboard or tape printer be required. The indicator may be operated from its own 12 VDC internal battery or 110/230 VAC or from a 12 VDC vehicle source. Accuracy of 1.0%, complete portability and versatility make "Bantam" a truly efficient and affordable system for any agency or company's weight inspection needs.

Both "Load Ranger" and "Bantam" are backed by MSI's full one year warranty while sales and service are provided by a worldwide network of factory trained representatives.

Call today for a demonstration and the distributor nearest you.



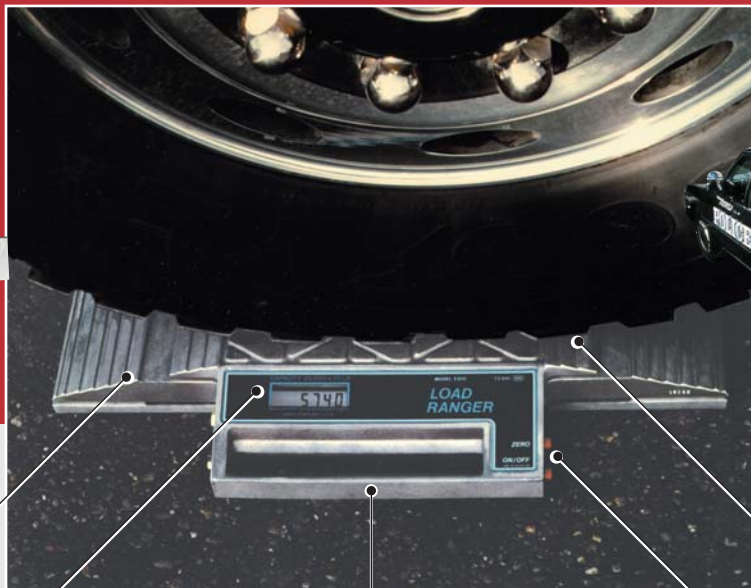
Shown is the MSI-5200 "Bantam" 6 pad system stowed in its heavy duty aluminum carry case.



Measurement Systems International

MSI-5300 Load Ranger

Portable Electronic Wheel Weighers from MSI



*Low profile integral ramps.
All aluminum construction.*

*Large, easily read digits.
Waterproof display.*

Convenient oversized handle.

Sealed pushbutton switches

*Large tire landing
footprint with skid
resistant surface.*

Spot check wheel and axle loads quickly and easily.

Weigh Your Load on the Road, at the Jobsite or Virtually Anywhere

With concern over damage to the nation's highways, secondary streets and bridges caused by overloaded and unbalanced vehicles, state and municipal law enforcement agencies have implemented weight inspection programs to help ensure highway safety and protect taxpayer investment. Weight inspections are typically administered at roadside stations along major highways by utilizing large capacity fixed base truck scales. Unfortunately, it has been cost prohibitive to apply these same inspection methods along secondary roads.

However, there exists a cost effective alternative for exercising accurate and spontaneous inspection programs virtually anywhere with the MSI-5300 Load Ranger Portable Wheel Weigher. Through the use of portable wheel/axle weighers, weight inspections can be administered at a fraction of the cost associated with large fixed truck scales.

The Load Ranger

The MSI-5300 Load Ranger was primarily designed for mobile weight enforcement programs. Fast, accurate measurements of wheel and axle loads can be made virtually anywhere on a



variety of road surfaces. Extremely light weight and compact, Load Ranger allows weight inspection stations to be set up within minutes.

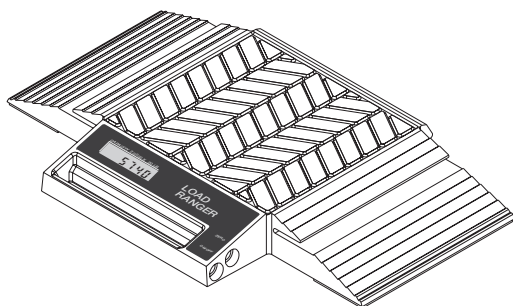
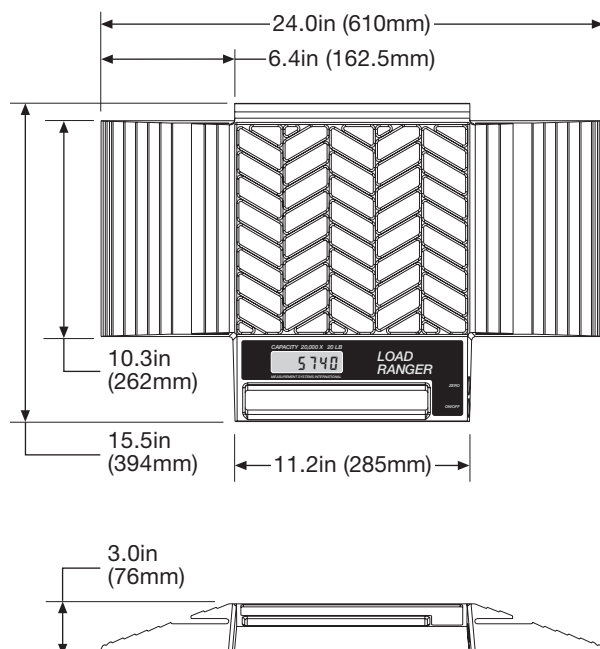
Law enforcement is not the only consumer group to benefit from Load Ranger's portability. Many commercial

freight and handling related companies utilize Load Ranger to ensure compliance with axle load requirements before they set out on the nation's highways – avoiding costly overload fines and jeopardizing insurance coverage.

The Load Ranger is tested and approved to NTEP Class III standards (Certification #90-129P). Each wheel pad is environmentally sealed from outside influences and has a 10-ton loading capacity. Integral ramps and a low profile allow easy on / off vehicle loading. Pushbutton controls and a digital display provide for simple operation and easy reading. Power is supplied by a 6-volt rechargeable battery allowing up to 40 hours of continuous use between charges.

Accessories include a battery charger for quick recharging of up to four (4) batteries simultaneously from either 115/230 VAC or 12 VDC vehicle power, portable aluminum carrying cases and replacement batteries.

MSI-5300 Load Ranger Specifications



- Accuracy: 1.0% Approved to NTEP, Class III Standard
- Capacity: 20,000 lb (10,000kg) per pad
- Resolution: 20 lb (10kg), 50 lb (20kg) - NTEP
- Power: 6 volt rechargeable (40 hours between charging)
- Battery Charger: 115/230 VAC External, 12 VDC External
- Display: 5 digit, 0.8in (20mm) Liquid Crystal
- Annunciators: Low Battery
- Operating Temperatures: -25° to 140°F (-32° to 60°C)
- Safe Overload: 150% of capacity
- Ultimate Overload: 200% of capacity
- Overall Weigh Pad Dimensions: 24.0in x 15.5in x 3.0in (610mm x 394mm x 76mm)
- Enclosure: Environmentally sealed, NEMA 4/IP65, corrosion resistant cast aluminum
- Weight: 43 lb (19kg) per pad
- Options: NTEP approved version (20,000 x 50 lb capacity per pad)
- Accessories:
 - Universal Battery Charger, 115/230 VAC or 12 VDC power input (charge up to 4 batteries simultaneously from either 115/230 VAC or 12 VDC vehicle power)
 - Replacement 6 volt rechargeable battery
 - Portable aluminum carrying cases (available for 2, 4, and 6 pad systems - contact factory)

Your Performance Guarantee

Load Ranger is backed by MSI's exclusive limited warranty and is guaranteed to perform to your highest expectations. Quality sales and service are provided by MSI's worldwide network of factory-authorized

distributors. Your local distributor can present free product demonstrations and provide answers to your specific weighing application.

If you would like additional information on the MSI-5300 Load Ranger, other

MSI products or to locate the distributor nearest you, please contact MSI at 206-433-0199, toll free at 800-874-4320 (USA and Canada) or visit our website at www.msiscales.com.



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