

LOADMASTER®

Railroad Track Scales

GENERAL INFORMATION

The LOADMASTER family of Railroad Track Scales includes an extremely rugged and self-contained modular system. This system



is sold as a configuration of modules measuring 12'6" and 25'0" long. With the proper configuration, virtually any length of rail car (from the shortest to the longest) can be weighed.

As with all LOADMASTER scales, this Railroad Track Scale is built to last.

Frame

The self-contained frame forms a "pit" when back-filled. It is constructed of heavy, oversized I-beams, stacked and welded solid for durability and years of trouble free use. The frame provides one of the most unique features of the LOADMASTER modular system; access after the installation. Manholes are provided and technicians have full access to load cells, cables and junction boxes. Periodic inspections and maintenance are easily performed. This will potentially save substantial sums in maintenance costs and reduce unscheduled downtime.

Bridge

The weighbridge is built to A.R.E.A. Cooper E-80 load ratings. The main beams are welded solid to all spreaders and diagonal bracing for extra rigidity and long-term durability. If the size and type of rail is known prior to fabrication, then the bridge



will have holes drilled and tapped for fast and easy installation of the rail.

Finish

All structural components are cleaned and then primed with a high quality zinc chromate primer. A durable, weather-resistant, enamel finish coat is then applied to complete the system.

Electronics

A compression load cell is supplied as standard due to the high overload ratings and proven reliability. However, shear beam load cells can be (and have been) provided on customer preference and request.

A digital indication system can be selected from a number of options depending upon customer needs.

Computer systems can be interfaced directly to the system providing control in filling operations, shipment tracking, billing, etc.

SYSTEM INSTALLATION

Finished Height

Another unique feature of this LOADMASTER Railroad Track Scale is that the installation is at grade. Anyone that has dealt with the drainage and traffic problems created by an above grade installation can appreciate the value of this feature.

Foundation

The recommended foundation will have load bearing piers under each section with a 6" concrete floor for easy cleaning. Although not recommended, some installations have been made on ballast and this

can be acceptable if the system is installed on a temporary basis.

Approaches

Approach requirements are determined by the servicing railroad. A typical installation will have a 2' thick, 25' long pad on each end of the scale with another concrete pad between modules. A good foundation in combination with a good approach system are the key to an accurate and reliable scale system and should not be overlooked.

SPECIFICATIONS

<u>PART#</u>	<u>CAPACITY GROSS/CLC</u>	<u>LOAD CELLS QTY CAPACITY</u>	<u>PLATFORM LENGTH HEIGHT</u>	<u>SHIPPING WEIGHT</u>
163-2201-4	100/85 TON	4 100,000#	12'6" 42"	15,900#
163-3301-4	170/85 TON	6 100,000#	25'0" 42"	24,600#
163-4201-4	200/180 TON	4 200,000#	12'6" 42"	16,100#
163-4301-4	200/180 TON	6 200,000#	25'0" 42"	24,700#

All LOADMASTER Railroad Track Scales are guaranteed to meet or exceed NIST Handbook 44 Class IIII requirements.

The logo for Loadmaster Scale Mfg. features a stylized blue and green graphic of a scale platform on the left, followed by the word "LOADMASTER" in large, bold, blue capital letters with a registered trademark symbol (®) to its right. Below "LOADMASTER" is the text "SCALE MFG." in a smaller, bold, black font.

420 E. Lincoln Street • Findlay, OH 45840 • 419/422-4779 • FAX 419/422-9036
Division of Holtgreven Scale & Electronics Corp.