

LOADRITE™

X SERIES

**NON-STOP
ACCURACY**



- EASY TO USE
- ACCURATE
- PROVEN

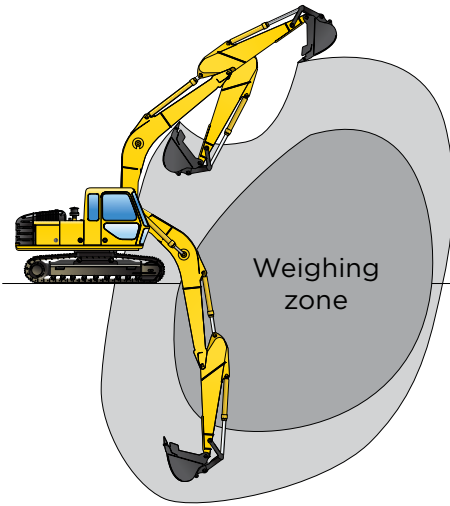


**ON BOARD WEIGHING
SYSTEMS FOR
EXCAVATORS**

LOADRITE

ON BOARD WEIGHING

LOADRITE **X-SERIES** **X-WEIGH 2350**



Designed and engineered specifically for bucket excavators, the LOADRITE X2350 excavator scale uses proprietary Multi-Dimensional Compensation (MDC™) weighing technology to achieve accurate weighing to +/-3% margin of error with no disruption to the operation of the excavator over a wide range of demanding operating conditions. This dynamic payload weighing system ensures bucket-by-bucket optimization of your load-out process.

SLOPE COMPENSATION

Use your excavator the same way you have in the past, X2350 can accurately weigh on slopes while rotating/slewing and at different lift speeds.

ADJUSTABLE WEIGHING ZONES

Configure your excavator to accurately weigh when loading from different levels, such as bench/stockpile.

WHAT CAN THE X2350 DO FOR YOUR BUSINESS?

OPTIMIZING LOAD-OUT

- Bucket-by-bucket knowledge of truck payload
- Optimize each truckload
- Ensure trucks are accurately loaded before a drive-on truck scale
- Ensure accurate loading on remote projects without truck scales

IMPROVE PROFITS

- Avoid double handling of material, load right the first time
- Avoid overload fines, load trucks to the maximum capacity
- Reduce haulage costs, never under load trucks
- Maximize tons per gallon and minimize fuel usage of excavators and trucks
- Reduce machine down-time by optimizing load quotas

INCREASE PRODUCTIVITY

- Load accurately in remote locations without a truck scale
- Load consistently to increase tons moved per day
- Sell more product without adding equipment or personnel
- Reduce cycle times; prevent truck turnarounds at the truck scale
- Benchmark operator productivity with reporting tools
- Improve overall equipment effectiveness

PROCESS IMPROVEMENT

- Track and monitor loading of trucks and tons moved
- Track excavator and operator efficiency
- Monitor inventory and stock levels
- Monitor machine stress to schedule preventative maintenance
- Maximize the utilization of the machinery already on site by identifying unused capacity

FOR YOUR INDUSTRY

- Aggregates
- Landscaping

- Construction
- Demolition

- Mining
- Rail and Barge Loading
- Transportation



ACCURATE LOAD-OUT BEFORE A TRUCK SCALE

Do you have a truck scale on site? This is the perfect complement to the LOADRITE X2350. No more turnarounds at the truck scale because you're either too heavy or too light. Improve your cycle times and improve your tons per gallon or tons per hour of truck use. Use the truck scale to invoice your customers and use the X2350 to improve your productivity.

MOBILE CRUSHER LOADING

Know what's going in and what's coming out. Track important parameters such as shot rock versus oversize. Combine the X2350 reporting with C-SERIES™ conveyor systems and get a complete production monitoring system, enabling you to track the performance and productivity of your mobile processing equipment.



RAIL AND BARGE LOADING

Loading and unloading rail and barges can be an expensive exercise. Accurate loading the first time reduces expenses through the elimination of double handling and ensuring rail fines and demurrage overages are a thing of the past. The X2350 from LOADRITE can also provide hard copy printouts or data via MMS software that can be customized to give individual wagon weights as well as total material loaded.

REMOTE SANDPIT LOAD-OUT

No truck scale, no problem. Using the LOADRITE X2350 allows you to optimize your load-outs, you don't have to worry about overloading trucks, or possibly worse, making several extra trips due to under loading. Keep the entire operation running at maximum capacity and keep track of who got what and how much.



CIVIL CONSTRUCTION EXCAVATING

The LOADRITE X2350 allows excavation to be more efficient than ever before. Tracking overall tons and tons per hour throughout the project ensures projects are delivered on time and on budget. The X2350 also ensures that each truckload of material moved on-site is accurately loaded and recorded, securing the highest productivity from your excavating operations.

TRACKING YOUR PRODUCTIVITY

LOADRITE PRINTER

The LOADRITE Printer is compatible with every LOADRITE on-board weighing system. This direct plug-in accessory delivers time-stamped and dated hard copies of all weighing information instantly.



Company name	SLATE ROCK & GRAVEL CO	23	Vehicle identification
Date and time	4 FEB 12 2:34 PM		
Customer name	CUSTOMER BROWN COV	9	Docket identification
Truck identification	DOCKET TRUCK KVN578		
	ADD (1)	2.4 TON	Payload weights
	ADD (2)	3.2 TON	
	ADD (3)	2.8 TON	
Product name	SLATE ROCK	8.4 TON	Total truck load weight (lb, ton, kg, tonne)

LOADRITE MATERIAL MANAGEMENT SYSTEM

Tracking your operations has never been easier with reporting from the LOADRITE X2350. The LOADRITE Material Management System (MMS) brings data from mobile equipment into management information reporting designed specifically for the needs of your business.

Track your tons per hour, cycle times, and total tonnage moved by your excavators and trucks. With easy reporting, you know exactly how your company is running.

Equipment operators work as normal, entering data with the easy-to-use features on the LOADRITE scale.

Data is sent from the mobile equipment to the office using one of our IM-SERIES data communication options including data module, wifi, radio or wireless GPRS modem.

LOADRITE MMS provides an interface that connects managers to real-time site information through a series of reports.



Above: A range of reports are available for easy-to-understand feedback on your operations. Below: Using a data communications option information goes direct to your computer.



HOW IT WORKS



1. LOADRITE Triggers: The trigger units are mounted on the boom and stick pivot point. They sense the position of the boom and stick arm ensuring measurement accuracy.

2. X2350 Indicator: Mounted in the cab this is the processing engine of the LOADRITE weighing system. It receives data from the sensors and calculates weight on the fly.

3. LOADRITE Printer: See your site's productivity with the ruggedized printer providing hard-copy receipts for printing of daily and weekly productivity and performance reports (optional).

4. LOADRITE Angle Sensor: These are mounted on the excavator chassis frame. They provide machine angle and movement information used to compensate for variable ground slope conditions and provide greater accuracy of measured weights.

5. IM-SERIES Data Communication: LOADRITE offers a range of data-communication solutions to meet the unique needs of your operation. These options allow your excavator to communicate with our MMS™ Software in a secure, paperless manner (optional).

6. LOADRITE Pressure Transducers: The pressure transducers connect to the excavators hydraulic system. They sense the hydraulic pressure in the lift cylinders as the load is lifted.

7. LOADRITE Bucket Sensor: The bucket sensor is installed on the bucket or quick-hitch. It measures the angle of the bucket to provide increased weighing performance and a larger operating area for the machine operator (optional).

SPECIFICATIONS

Your LOADRITE X2350 is packed with a wide range of features to assist in your operations. For ease of use, most operators will only need to use three buttons: Add, Clear, Zero.

WEIGHING MODES

- Total
- Target
- Over-target
- Split mode (e.g. truck & trailer)
- Short total (e.g. truck)
- Long total (e.g. product total)
- Auto-add (saves operator time)
- Auto-target (cross reference truck to target load)

MANAGEMENT

- KPIs (track productivity)
- Product types/names (>20 names)
- Load count (# of loads per truck)
- Customers names
- Vehicles rego/licence/reference
- Attachment types for attachment changeout (up to 4)

OTHER

- Payload limit warning
- Recall/subtract last load function
- Easy zeroing to tare the system
- Real-time clock, calendar



Specifications	
Supply voltage	12 - 32 VDC
Current consumption	160 mA typical 350 mA max. 3 A max (LP950 printer)
Power supply protection	Automotive power supply transient suppression exceeds SAE specifications for DC automotive power supply transients
Dimensions	145 x 240 x 110 mm (5.7 x 9.4 x 4.3 in)
Weight	1.5 kg (3.3 Lbs)
Temperature	Operating: -10°C ~ 50°C (14°F ~ 122°F) Storage: -50°C ~ 100°C (-58°F ~ 212°F)
Environmental Protection	Indicator: IP54 Trigger and pressure transducers: IP69
Languages	English, French, Spanish, German, Br.Portuguese, Dutch, Swedish, Turkish, Danish, Norwegian, Italian.
Certifications	CE, C-tick
Warranty	1 year parts, 1 year labor

SUPPORT

SERVICE

LOADRITE is known for reliability, and the X2350 scales are no different. An international network of factory-trained distributors install, train, and support your X2350 products. Our distributors are backed by a multi-tier network of factory support including field technicians, extensive software testing, and hardware testing including highly accelerated life-cycle testing.

SUPPORT

Adding to our superior quality product is LOADRITE's excellent support through its 3 levels of support; Local, Regional, and International. Your local authorized LOADRITE representative offers application knowledge and experience on-site. Our extensive network of regional and international offices means we can provide support within 24 hours to prevent unnecessary downtime

Your system will be installed and calibrated for your equipment by one of our certified LOADRITE installers.

Then our experts will work with you to set up and maintain your on board weighing solution, including reporting tools to ensure you get the most return from your LOADRITE system.



Your LOADRITE representative offers on-site operator training and support to get back to work with minimal interruption.

GLOBAL SUPPORT



- Local Loadrite representatives
- Export option direct from Loadrite

A complete and up-to-date list of LOADRITE distributors is available from www.loadritescales.com

OTHER LOADRITE PRODUCTS

WHEEL LOADERS



From basic weighing information for a small loader, to advanced features on production-sized loaders. (L2180, Express, Force, Sprint)

MATERIAL HANDLERS



Accurate weighing performance with no disruption to operation. (X2350)

FIXED CONVEYORS



Specifically designed to ensure accurate weighing for fixed crushers, screeners and stackers. (C1850)

MOBILE CONVEYORS



Specifically designed to ensure accurate weighing for mobile crushers, screeners and stackers. (C1850)

FORKLIFTS



Accurate weighing of containers, pallets and other loads. (Sprint)

TOTAL SOLUTION



Integrate all systems for total visibility across your site, region or company from your web browser or email.

ABOUT LOADRITE

- World-leading on-board weighing manufacturers since 1979
- Equipment sold in over 50 countries, into most rugged industries
- Reputation for superior accuracy and product reliability
- Manufactured under strict ISO9001:2008 international quality systems
- Complete service provider through our fully-authorized and certified global-distribution network

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