

MARPRESS)))

TECNOLOGIA ON BOARD

LOADRITE™

Scales for Liebherr excavators

Trimble LOADRITE X2350



MAXIMISE PAYLOAD, MAXIMUM PROFIT



What can the X2350 do for your business?

Optimising load-out

- Accurate payload weights
- Bucket-by-bucket payload
- Optimise truckloads
- Ensure trucks are accurately loaded before your truck scale
- Ensure accurate loading of 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 again
- Maximise tonnes per litre and minimise fuel usage of excavators and trucks
- Reduce machine down-time by optimising load quotas

Increase productivity

- Load consistently to maximise tonnes moved per day
- Sell more product without adding equipment or personnel
- Reduce cycle times; prevent truck turnarounds at the truck scale
- Benchmark operator productivity
- Improve overall equipment effectiveness

Process improvement

- Track and monitor loading of trucks and tonnes moved
- Track excavator and operator efficiency
- Monitor inventory and stock levels
- Prevent excessive machine stress with scheduled preventative maintenance times
- Maximise machinery utilisation by identifying unused capacity



LOAD ONCE, LOADRITE

Industries



Aggregates



Mining



Rail and barge
loading



Transportation



Landscaping



Construction



Demolition

Applications



Accurate load-out before a truck scale

Do you have a truck scale on site? Optimising payload at the excavator means no more turnarounds at the truck scale because you're either too heavy or too light.

Improve your cycle times and improve your tonnes per litre or tonnes per hour of truck use. Use the truck scale to invoice your customers and use the X2350 to improve your productivity.



Remote sandpit load-out

No truck scale? No problem. Using the LOADRITE X2350 helps optimise your load-outs. You don't have to worry about overloading trucks or making several extra trips due to under loading.

Keep the entire operation running at maximum capacity and keep track of customer by customer payload.



Sorting large rocks?

With the X2350, rock sorting for shoreline/armour rock or rip rap applications is easy.

Your excavator operator can accurately sort rocks to meet the demands of your customers to achieve maximum profits.



Civil construction excavating

The LOADRITE X2350 allows excavation to be more efficient than ever. Tracking overall tonnes and tonnes 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.



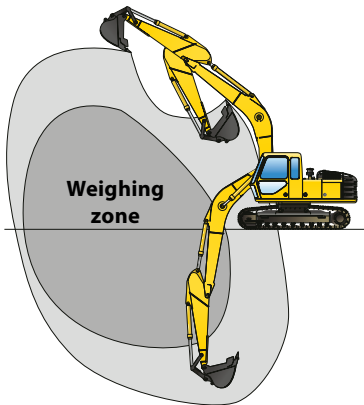
Quarry pit loading

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.

BUCKET BY BUCKET PAYLOAD

The LOADRITE X2350 excavator scale uses proprietary technology to achieve accurate weighing to +/-3% margin of error with no disruption to the operation of the excavator. This dynamic payload weighing system ensures bucket-by-bucket optimisation of your load-out process.



Adjustable weighing zone

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



Slope compensation

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



HOW IT WORKS



- 1. 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).
- 2. 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.
- 3. X2350 Indicator:** Mounted in the cab It receives data from the sensors and calculates weight.
- 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. Data Communication:** LOADRITE offers a range of data-communication solutions including data module, wifi, radio or wireless GPRS modem.
- 6. LOADRITE Printer:** Ruggedized printer providing hard-copy receipts for printing of daily and weekly productivity and performance reports.
- 7. 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.

TRACK YOUR PRODUCTIVITY

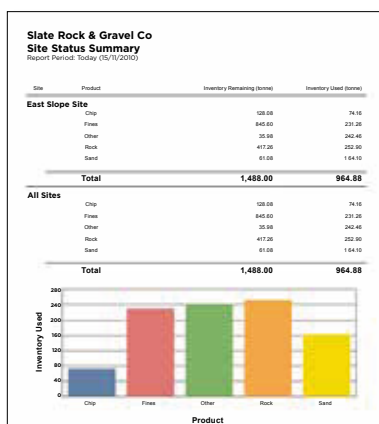
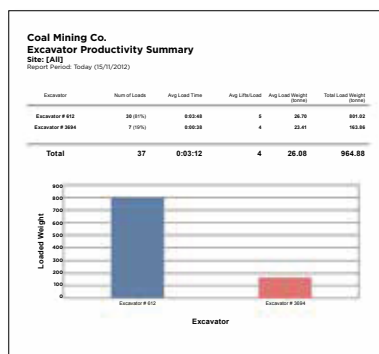


Track your tonnes per hour, cycle times, and total tonnage moved by your excavators and trucks. With easy reporting, you know exactly how your company is running.

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.

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

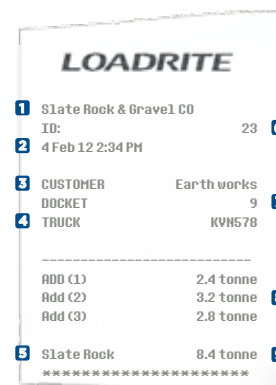
Data is sent from the mobile equipment to the office using one of our IM-Series data communication options including data module, wifi, radio or wireless GPRS modem. These options allow your excavator to communicate with our MMS software in a secure, paperless manner.



Reports available for easy-to-understand feedback on your operations.

LOADRITE Printer

The printer delivers time-stamped and dated hard copies of all weighing information instantly.



1. Company name
2. Date and time
3. Customer name
4. Truck ID
5. Product name
6. Vehicle ID
7. Docket ID
8. Payload weights
9. Total truck load weight (lb, ton, kg, tonne)

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/truck)
- Customers names
- Vehicles rego/licence/reference
- Attachment types for attachment changeout (up to 4)

Other

- Payload limit warning
- Recall/subtract last load
- 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 labour



Wheel loader scales

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



Mobile belt scales

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



Fixed belt scales

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



Refuse truck scales

Accurate weighing of refuse at the point of collection, for billing and cost management. (LR920)



Forklift scales

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



Reporting

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

Choose LOADRITE

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



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