DATASHEET

Loadrite C2880

Process monitoring for fixed plant

- Track production and efficiency for every product, and the entire plant
- Improve your processes with a range of powerful tools
- Increase the profitability of your operations

Get actionable insights from performance and productivity data on fixed plants.

Monitor quarry performance, productivity and stockpile inventory with a range of powerful tools to compare production vs targets, track throughput and output, stockpile totals, machine downtime, and monitor load out on crushers, screens and stackers. By understanding when and where production falls short of targets, you can quickly isolate the source of the problem and make improvements during the shift that increase productivity.

Features

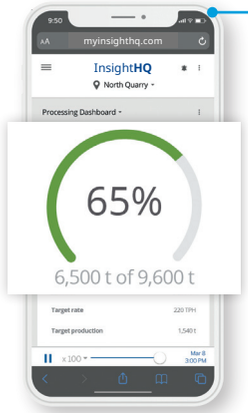
- Accurate production measurement (± 1% margin of error) with state-of-the-art data communication capabilities and superior information management solutions.
- Make informed decisions with access to your data from your smart device anywhere, anytime with InsightHQ.
- Increase productivity by identifying unused capacity to improve asset utilisation.
- Customizable solutions for one belt or many, one site or multiple sites with multiple scale inputs for up to four conveyors per integrator.
- Suitable for a wide range of applications including quarrying, mining, power generation, transportation, agriculture and more.

Full Plant Performance Management

- When you track your entire operation you can see every bottleneck, track every product, and know exactly what every part of your plant is doing. Measuring weight, downtime and performance of multiple belts will allow you to test and compare different plant modes to determine the optimal mode mix for your plant.
- Track throughput of primary, secondary, and tertiary crushing.
- See the effectiveness of your screen decks and wash plants.
- Report inventory levels, optimizing your modes to manufacture the most profitable product mix.
- Measure oversized material and waste.

LOADRITE®

Optional Accessories & Integrations



InsightHQ

Connecting your scale to InsightHQ brings all your quarry productivity information into one easy-to-use dashboard, enabling your team to see progress against targets. You can collect productivity data from your belts, loaders, excavators, haul trucks and more into one location and access it from your desktop or smart device anywhere, anytime.

Loadrite Communications Interface (LCI)

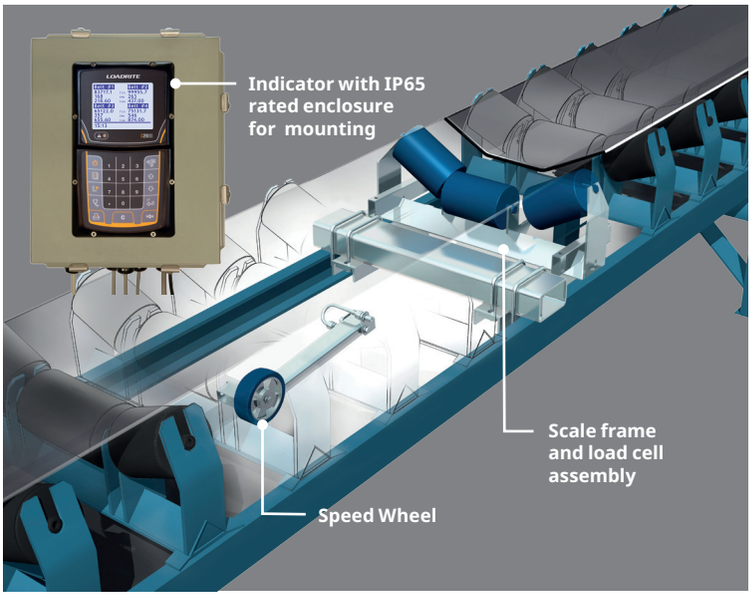
The LCI provides real-time plant production data at a glance to optimize performance, report production, and capture downtime events. Identify trends and resolve issues by tracking the effectiveness of operational changes.

Additional insights your way

Get daily and weekly reports with the Loadrite printer or have them delivered straight into your email inbox. You can also choose live streaming of weighing data to the office or on a remote display in the plant. There are a range of flexible options to suit your business.

Third party scale support (C2820)

While Loadrite systems provide the richest information set, you can retrofit existing belt scales with the C2820 to collect basic data including material weight, belt status, product type and downtime event information to view next to all your other Loadrite-collected productivity data.



Specifications

Weighing Functions

- Dynamic weighing, Total and rate display, Optional volumetric measurements display, Tracking of nine products, Dual idler weighing, 4-Conveyor weighing (including virtual scales) within 1 integrator, Remote zero and Clear function, Auto zero function, Three totalizers per scale (day, week, month or shift, day, week etc), On-scale reporting (with printer), Alarm for diagnostic error, Virtual conveyor display.

Connectivity

- Data connectivity to InsightHQ via Loadrite modem for actionable insights
- Monitoring and Reporting via Loadrite printers
- Remote display support
- Screw terminal connections
- Support for analogue and digital outputs
- Support for Modbus output
- 3 communication ports
- Remote configuration

Power Requirements

Compliance to industrial electrical standards ..... Yes
Supply voltage ..... 88 to 264 V AC
Current consumption ..... 800 mA max. @ 230 V AC
3 A max. with LP950 printer

Physical Specifications

Indicator weight ..... 8.4 kg (18.5 lbs)
Indicator dimensions ..... W280 x L360 x D169 mm (11 x 14.4 x 6.7 in)
Indicator operating temperature ..... –10°C to 50°C (14°F to 122°F)
Environmental protection ..... Indicator protected to IP65

Other Information

- **Supported languages:** English, French, German, Italian, Br. Portuguese, Spanish, Swedish

Contact your local dealer today

For More Information
Loadrite (Auckland), Ltd.
45 Patiki Road
Auckland 1206
New Zealand
goLoadrite.com
info@goLoadrite.com

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