Load it right
First time, every time.

Reduce fuel & machine wear, save time and increase efficiency

On-board weighing solutions

TRADE APPROVED

GO THE LOADMASTER WEIGH FOR LOADERS AND TELEHANDLERS
Loadmaster α100
on-board weighing solutions for loaders

Advanced on-board weighing system specifically designed for wheeled loaders operating in the toughest environments.

The RDS Loadmaster α100 is a CAN-based system that combines cutting edge sensor technology and signal processing techniques to deliver precise and consistent weight information and sets a benchmark for the industry.

Loadmaster α100 has been designed to operate within the fastest loading environments and toughest of conditions compensating for uneven, sloped ground and restricted loading areas reducing cycle times and maximising tons per hour performance.

Loading correctly first time eradicates return trips to the stockpile reducing vehicle movement, fuel usage and machine and tyre wear. Plus, you can opt for a Trade version that enables you to transact from your weight figures.

**BENEFITS**

- Colour touch screen display for intuitive operation
- Dynamic weighing technology uses accelerometers, enabling superior weight accuracy & repeatability in tough terrains
- Hydraulic oil temperature compensation
- Target load - set individual product target
- GPS product recognition
- Reversing camera input
- Adjusted weighing height to suit specific application
- Pre-set Tare function for pallets and containers
- SQL database functionality
- Stores, multiple job and blend capability with advanced memory job search and report function

**TECHNICAL SPECIFICATIONS:**

- Operating voltage: 10-30 Volts DC
- Temperature range: -20 to +70°C
- System accuracy: +/-2% of capacity
- Sensor range: 0-400 bar
- EMC protection: Complies with 2004/108/EC ISO 14982
- Warranty: 1 year
- Env. protection: Instrument sealed to IP65

- Multiple active job capability
- One or 2-way communication with back office
- Faster operation with static and dynamic weighing modes for 'weighing on the lift'
- Multi-channel and grand total summary providing load accumulation for up to 10 attachments
- XML data output via serial, ethernet and USB memory stick for safe and efficient data handling
- Printer option for hard copies of load summaries, totals etc.
- Calibration ‘Nudge’ to match site reference
- Internal audible alarm
- Stores, multiple job and blend capability with advanced memory job search and report function
The RDS Weighlog α10 incorporates the latest colour touchscreen technology providing a user-friendly on-board weighing system that can be used for trailer and hopper loading, batch blending or check weighing.

Loading correctly first time maximises productivity, reduces vehicle movement, fuel usage and machine and tyre wear.

Suitable for use with up to 10 different attachments e.g. buckets or forks, the system can be retrofitted onto compact wheeled loaders, telescopic handlers, forklifts and skidsteer type loaders.

**BENEFITS**

- Colour touch screen display for intuitive operation
- Multi-channel and grand summary providing load accumulation for up to 10 attachments
- Target load ensures correct loading of vehicles or product
- Printer option for hard copies of load summaries, totals etc.
- Accurate record keeping, traceability & stock management
- Calibration Nudge to match site reference
- Communication via SD card & USB memory stick for safe and efficient data handling
- Static and dynamic weighing modes for ‘weighing on the lift’

**TECHNICAL SPECIFICATIONS:**

- Operating voltage: 10-30 Volts DC
- Temperature range: -20 to +70˚C
- System accuracy: +/-2% of capacity
- Sensor range: 0-250 bar
- EMC protection: Complies with 2004/108/EC
- Warranty: 1 year
- Env. protection: Instrument sealed to IP54

The RDS Loadmaster α50 is a highly accurate, onboard weighing system for loaders that helps increase loading efficiency, cutting vehicle movements on site, increasing safety and ensuring trucks are correctly loaded first time.

**BENEFITS**

- Colour touch screen display for intuitive operation
- Multi-channel and grand summary providing load accumulation for up to 10 attachments
- Target load ensures correct loading of vehicles or product
- Printer option for hard copies of load summaries, totals etc.
- Live last bucket ‘tip-off’ facility
- Static and dynamic weighing modes for ‘weighing on the lift’
- Net weighing for pallets and containers
- System pause button
- Accurate record keeping, traceability & stock management
- Calibration Nudge to match site reference

**TECHNICAL SPECIFICATIONS:**

- Operating voltage: 10-30 Volts DC
- Temperature range: -20 to +70˚C
- System accuracy: +/-2% of capacity
- Sensor range: 0-250 bar
- EMC protection: Complies with 2004/108/EC
- Warranty: 1 year
- Env. protection: Instrument sealed to IP54
**Loadex 100**

on-board weighing solutions for excavators

An easy-to-use weighing system for use on both tracked & wheeled 360° degree excavators.

With the ever increasing focus on productivity, Loadex 100 has been designed to operate within the fastest loading environments maximising tons per hour performance.

This easy-to-use system gives operators accurate bucket weight information at their fingertips, to increase productivity and reduce machine wear.

With the ability to store data for accurate record keeping, traceability and stock management, Loadex 100 is a flexible solution that can be customised to suit a wide range of earthmoving applications, attachments and accommodate a variety of active jobs simultaneously.

**BENEFITS**

- Colour touch screen display for intuitive operation
- Multiple active job capability
- Dynamic weighing technology with superior accuracy and repeatability in tough terrain
- One or 2-way communication with back office
- Faster operation with static and dynamic weighing modes for ‘weighing on the lift’
- Accurate weight information within normal operating temperatures
- Target load to ensure correct loading of vehicles or product
- Split loading (truck & trailer)
- GPS product recognition for automatic product selection
- Multi-channel and grand total summary
- Reversing camera input
- Safe and efficient data handling
- Adjustable weighing height to suit specific application
- Printer option for hard copies of load summaries, totals etc.
- Pre-set Tare function for pallets and containers
- Quick and easy calibration adjustment to match site ref.
- Live last bucket ‘tip off’ at any position
- Set to alarm at overload threshold
- Ease of use and interfacing with ERP systems
- Accurate record keeping, traceability & stock management
Application guide

Quick reference guide

- Weight in bucket: This shows the individual bucket weight.
- Total loaded so far: This shows the total loaded, starting at 0.00 and increasing as you load, to show how much has been loaded so far.

**Note:** The ‘hard keys’ may be used instead of the adjacent touchscreen buttons.

**Zero lift routine**

**Pause weighing routine or ‘clear last entry’**

**Automatic/manual weigh entering**

**“Live Static Tip Off” select**

**Search/select job report**

**Clear home screen totals and reset for next load**

**USB Port**

**Accept load entry** (or use remote/enter button)

**menu/clear last load entry**

**Boom Height Indicator**
- Touch any part of this box to display extra functions:
  - Split Loading (Trailer)
  - Select Driver
  - Reversing Camera Select ("x")
  - View job list
  - Create new job

**Power On/Off button**

**Select pre-set jobs 1-5**

**Return to home screen**

**Select store references**

**Select ‘set-up’ menu**

**SD Card**

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RDS Technology On-Board Weighing Solutions
Cost effective two-way remote communication with a central computer for the transfer of job data.

Why have a standalone scale system fitted to your loader or excavator when it can be linked to iSOSYNC PC software enabling control of your loadout operation, inventory control, productivity & traceability management?

iSOSYNC software can be used with either Loadmaster α100 or Loadex 100 and allows the rapid transfer of job information from a central computer to the loader or excavator and the resultant load information sent back to the PC upon completion.

The system can be one or two-way and is designed to operate fully automatically and without changing the loading routine for the mobile operator.

Job instructions are sent direct to the loader operator. After each vehicle is loaded and the ‘Clear’ button pressed to reset the instrument, the loading record is transmitted back to the central computer and can be logged into the load management software.

iSOSYNC contains reference lists of names selected from drop down boxes and assigned to a job:

<table>
<thead>
<tr>
<th>Customers</th>
<th>Drivers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products</td>
<td>Destinations</td>
</tr>
<tr>
<td>Trucks</td>
<td>Locations</td>
</tr>
<tr>
<td>Hauliers</td>
<td>Notes</td>
</tr>
<tr>
<td>Job Name</td>
<td>Mixes</td>
</tr>
</tbody>
</table>

Enables productivity management, improving operational efficiency.

Measures tons per hour performances.

 traceability of hazardous materials.

Identifies site bottlenecks by tracking entry and exit times.
iSOSYNC contains reference lists of names selected from drop down boxes and assigned to a job:

- Customers
- Drivers
- Products
- Destinations
- Trucks
- Locations
- Hauliers
- Notes

**Job Name**

**Mixes**

**CONNECTIVITY OPTIONS**

- USB
- TCP/IP over Ethernet LAN cable
- Wi-Fi Ethernet Module
- 3G Router (requires SIM for 1 way email or Fixed IP SIM for 2-way data transfer)
- RS 232 Serial port 2869 MHz radio modem kits;
  - Base kit connected to PC
  - Mobile kit connected to loader

**REPORTING**

Job reports can be listed according to time, date(s), job number, job name, ticket number and machines and stores references.

- Improves safety eliminating unnecessary vehicle and personnel movements
- Monitors over and under loader
- Provides an immediate record of load data for invoicing and stock control
- Fast data transfer speeds operation enabling operators to load more trucks per shift
- Measures
  - Tons per hour
  - Performances
- Improves safety eliminating unnecessary vehicle and personnel movements
- Enables productivity management, improving operational efficiency
- Provides an immediate record of load data for invoicing and stock control
- Fast data transfer speeds operation enabling operators to load more trucks per shift
### ABOUT US

Position Partners is Australia’s premier provider of positioning and machine control solutions for surveying, civil works and building activities. At Position Partners, we are committed to increasing productivity for our customers and building lasting business relationships around high calibre positioning activities.

### Get in touch today:

**1300 867 266**  
info@positionpartners.com.au  
www.positionpartners.com.au

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### Product Comparison

#### APPLICATIONS

<table>
<thead>
<tr>
<th></th>
<th>Loadmaster a100</th>
<th>Weighlog a10</th>
<th>Loadmaster a50</th>
<th>Loadex 100</th>
<th>IsoSync</th>
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<td>Check weighing</td>
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<tr>
<td>Vehicle loading</td>
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<td>✓</td>
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<tr>
<td>Batch/blending</td>
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<td>Trade-approved</td>
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<td>Stock &amp; customer management</td>
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<td>Trailer weighing</td>
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#### FEATURES

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<td><em>Accuracy (+/- %)</em></td>
<td>1%</td>
<td>2%</td>
<td>2%</td>
<td>3%</td>
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*Accuracy is dependent on correct operation*