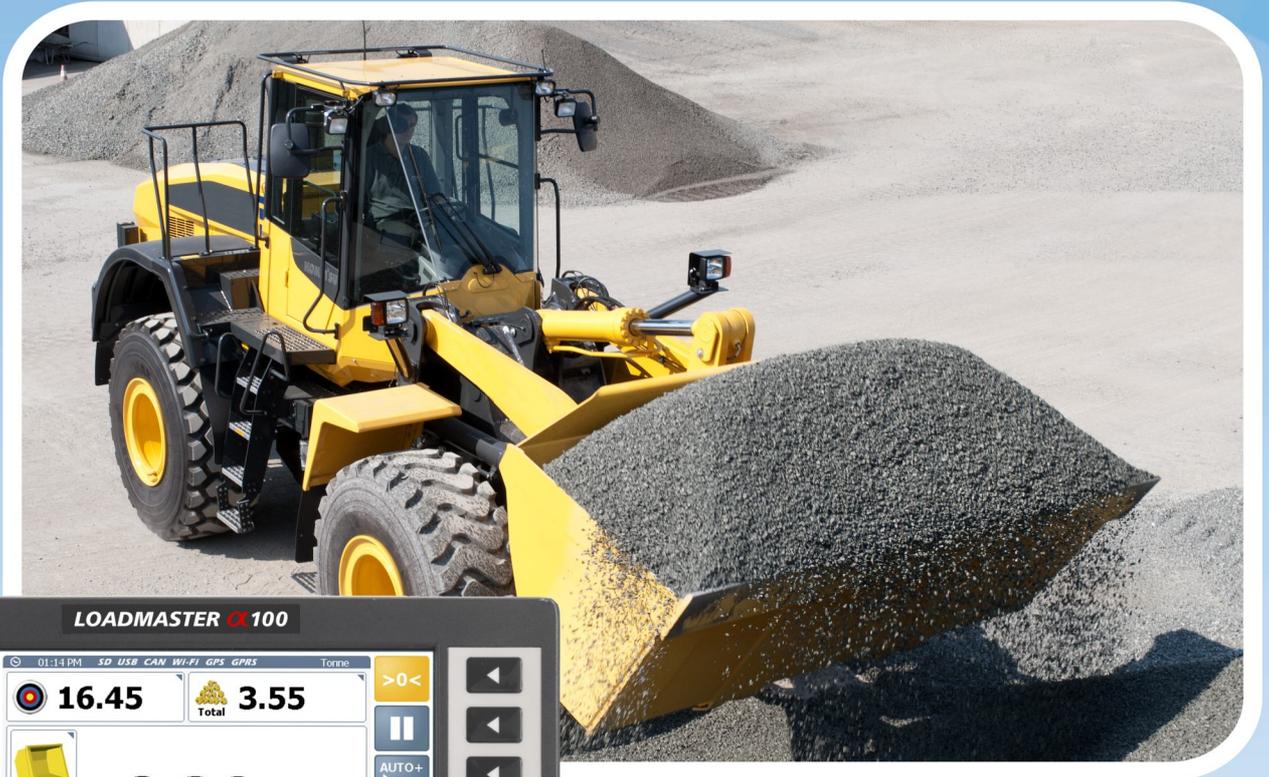




New

LOADMASTER α 100

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



The **RDS LOADMASTER α 100** is an all new CAN based system setting a benchmark for the industry combining cutting edge sensor technology and signal processing techniques providing precise and consistent weight information.

With the ever-increasing focus on productivity, **LOADMASTER α 100** 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 & tyre wear.

The new **RDS LOADMASTER α100** uses a 7" colour, resistive touch screen display and additional physical keys providing a modern and ergonomic operator interface.

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

The system continually measures hydraulic pressure using up to 4 sensors. The pressure signals are captured and filtered through a weighing 'arc' provided by inclination sensors measuring the angle of the main boom.

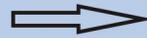
All signals are processed in the RDS Smart Box and the resultant weight calculation is sent to the terminal mounted in the cabin.

SQL database capability with up to 8 reference fields providing virtually unlimited inputs of products, customers, trucks, hauliers, locations, destinations, mix blends and notes. There is a blend facility with an infinite number of mixes and products.

Video input for switching head unit into reversing camera mode removes the need for additional screen, releasing valuable cab space.

Extensive sales, service and support network of RDS distributors.

Feature:



- Colour touch screen display
- New dynamic weighing technology using inclinometers
- Hydraulic oil temperature compensation
- Target load
- GPS product recognition
- Reversing camera input
- Adjustable weighing height
- Pre-set Tare function
- Live last bucket 'tip off' at any position
- SQL database functionality
- Stores, multiple job and blend capability with advanced memory job search and report function
- 5 memorised quick pre-selections for repeat job set up
- GPRS and Wi-Fi connectivity
- Static and dynamic weighing modes for 'weighing on the lift'
- Split loading
- Multi channel and grand total summary
- XML data output via serial, ethernet and USB memory stick
- Printer option with configurable output
- Calibration 'Nudge'
- Internal audible alarm
- System 'pause' button

Advantage:

- Clear, uncluttered display provides intuitive operation
- Superior weight accuracy and repeatability in difficult conditions and terrains
- Accurate weight information within normal operating temperatures
- Set individual product target. Ensure correct loading of vehicles or product
- Automatic product selection
- One screen, two functions
- Flexible according to specific application
- Net weighing for pallets and containers
- At the pile or above the truck
- Ease of use and interfacing with ERP systems
- Accurate record keeping, traceability & stock management
- Multiple active job capability
- One or two-way communication with back office
- Faster operation
- Truck and trailer
- Load accumulation for up to 10 attachments e.g. buckets, forks
- Safe & efficient data handling
- Hard copy of load summaries, totals, company logo and CE product marketing
- Quick and easy calibration adjustment to match site reference e.g. weighbridge
- Set to alarm at overload threshold

Technical details:

Operating voltage: 10 - 30 Volts DC
 Temperature range: -20 to +70°C operating
 System accuracy: Typically +/- 2% of capacity or better
 Sensor range: 0-250 bar (others available)
 EMC protection: Complies with 2004/108/EC ISO 14982
 Warranty: 1 year
 Env. protection: Display sealed to IP54, external sensors, IP65

System enhancements:



ICP 300 - printer option for hard copy prints of load totals.

Telemetry - (wi-fi, cellular and radio) for fast and efficient load data transfer between loader and office

Also in the range:



Loadmaster 8000iX - Weighing system for medium to large loaders with target weight entry, last bucket tip-off, temperature and angle sensing compensation, 1000 store customer & product database, data transfer and printer options.



Loadmaster 9000i - Trade approvable weighing to MID Class Y(b) and OIML Class IIII.