



**An advanced and trade
approvable 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 and tyre wear.

The new RDS **LOADMASTER CL100** 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.

Approved to MID Class Y (b) and OIML (UK only), it is suitable for use in commercial transactions.

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

There is an extensive sales, service and support network of RDS distributors.

FEATURES	ADVANTAGES
Colour touch screen display	Clear, uncluttered display provides intuitive operation
New dynamic weighing technology using inclinometers	Superior weight accuracy and repeatability in difficult terrains
Hydraulic oil temperature compensation option	Accurate weight information within normal operating temperatures
Target load	Set individual product target. Ensure correct loading
GPS product recognition	Automatic product selection
Reversing camera input	One screen, two functions
Adjustable weighing height	Flexible according to specific application
Pre-set Tare function	Net weighing for pallets and containers
Live last bucket 'tip off' at any position	At the pile or above the truck
SQL database functionality	Ease of use and interfacing with ERP systems
Stores, multiple job and blend capability with advanced memory job search and report function	Accurate record keeping, traceability & stock management
5 memorised quick pre-selections for repeat job set up	Multiple active job capability
GPRS and Wi-Fi connectivity options	One or 2-way communication with back office
Static and dynamic weighing modes for 'weighing on the lift'	Faster operation
Split loading	Truck and trailer
Multi channel and grand total summary	Load accumulation for up to 10 attachments e.g. buckets, forks
XML data output via serial, ethernet and USB memory stick	Safe & efficient data handling
Printer option with configurable output	Hard copy of load summaries, totals, company logo product marketing
Calibration 'Nudge'	Quick and easy calibration adjustment to match site reference .
Internal audible alarm	Set to alarm at overload threshold
System "pause" button	

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:	Instrument sealed to IP65

SYSTEM ENHANCEMENTS

Telemetry for fast and efficient load data transfer between loader and office.
ICP 300 - Printer option for hard copy prints in the cab.
GPS16 - Automatic product selection
Temperature Compensation - Enhanced weighing accuracy

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 III standards.

DISTRIBUTORS

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