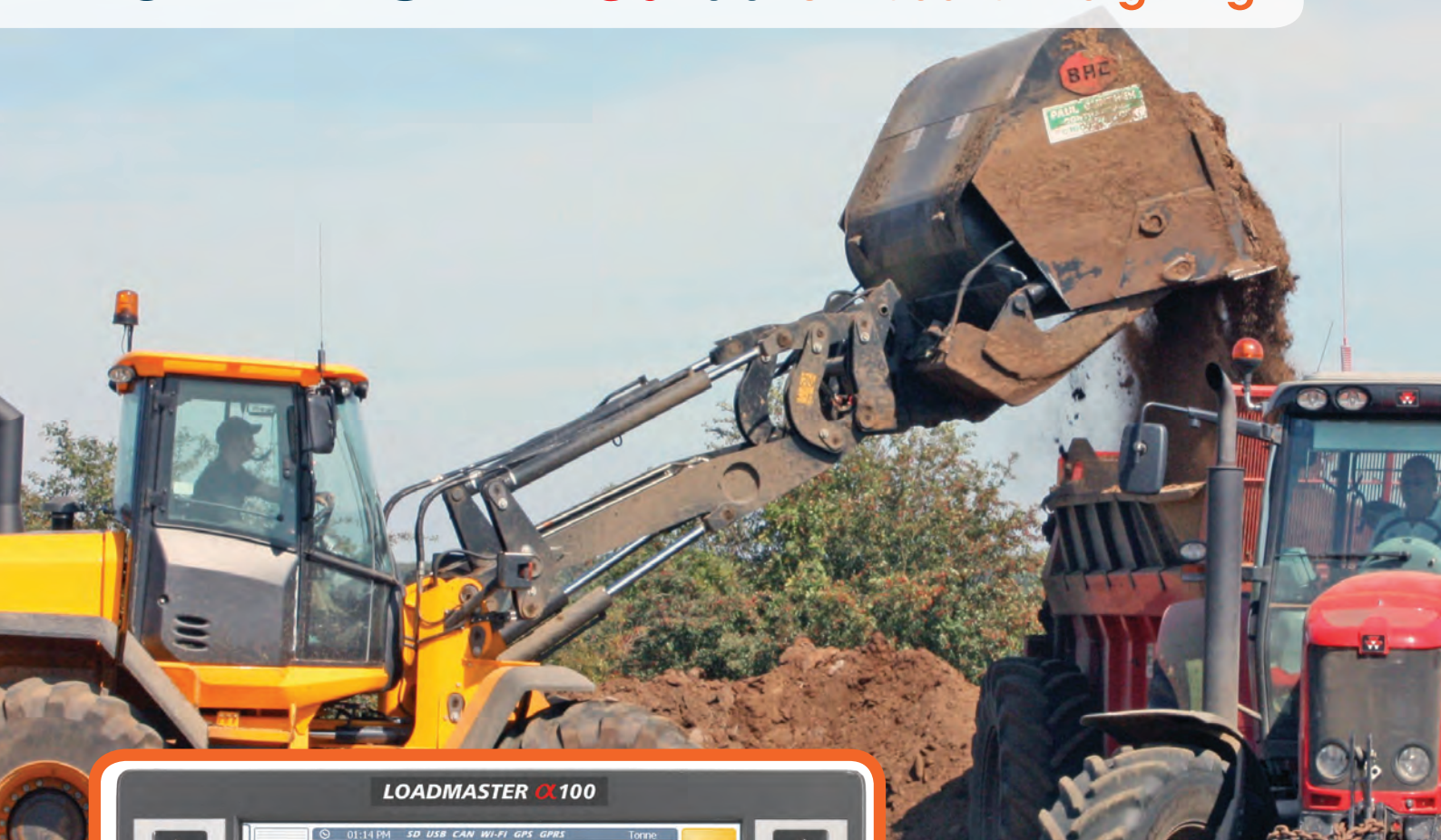


LOADMASTER α 100 On-board weighing



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 and tyre wear.

RDS TECHNOLOGY

P R E C I S E L Y

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.

FEATURES:

Colour touch screen display

New dynamic weighing technology using inclinometers

Hydraulic oil temperature compensation option

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 options

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

ADVANTAGES:

Clear, uncluttered display provides intuitive operation

Superior weight accuracy and repeatability in difficult terrains

Accurate weight information within normal operating temperatures

Set individual product target. Ensure correct loading

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 2-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 product marketing

Quick and easy calibration adjustment to match site reference .

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:	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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