



An advanced on-board weighing system specifically designed for reach stackers operating in the toughest environments

The RDS **LOADMASTER α 100** is a 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 container weighing productivity.

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

The system can be retrofitted onto reachstackers and forklifts with no major modifications required to the machine.

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.

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
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
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.

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

DISTRIBUTORS

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