LOADMASTER α100
ONBOARD WEIGHING SYSTEM

For Wheeled Loaders in the toughest environments

LOADMASTER α100

16.45   Total   3.55

2.36   2

The LoadMaster α100 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 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.

The new 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 eg. buckets or forks, the system can be retrofitted onto wheeled, telescopic and tractor type loaders.

BY RDS

Chain of Responsibility Solution Providers

offices in every state | 1300 069 970 | diverseco.com.au

Diverseco
Can Do

FEATURES

- Colour Touch-Screen Display
- New Dynamic Weighing Technology using Inclinometers
- Hydraulic Oil Temperature Compensation
- Target Load
- GPS Product Recognition Option
- Reversing Camera Input
- Adjustable Weighing Height
- Preset Tare Function
- Live Last Bucket 'Tip Off' at Any Position
- SQL Database Functionality
- Stores, Multiple Job and Blend Capability with Advance Memory Job Search and Report Function
- Five 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

APPLICATION

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.

TECHNICAL DATA

Operating Voltage	10 - 30VDC
Temperature Range	-20° to +70°C
System Accuracy	±2% of Capacity or Better
Load Sensor Rating	0 - 250 Bar (Others Available)
EMC Protection	Complies with 2004/108/EC ISO 14982
Sealing	Display Sealed to IP54 External Sensors to IP65

ADVANTAGES

- 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 - Ensures 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 and 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, eg. Buckets, Forks
- Safe and Efficient Data Handling
- Hard Copy of Load Summaries, Totals, Company Logo and CE Product Marking
- Quick and Easy Calibration Adjustment to Match Site Reference, eg. Weighbridge
- Set to Alarm at Overload Threshold

SYSTEM ENHANCEMENTS

- ICP 300 - Printer Option for Hardcopy Prints of Load Totals
- Telemetry - (Wi-Fi, Cellular and Radio) for Fast and Efficient Load Data Transfer Between Loader and Office

All Branches T: 1300 069 970
NSW (Sydney) T: (02) 9728 4877
VIC (Melbourne South) T: (03) 9548 5512
VIC (Melbourne North) T: (03) 9357 7470
QLD (Brisbane North & South) T: (07) 3265 5520
WA (Perth) T: (08) 9259 5535
SA (Adelaide) T: (08) 8447 5011
New Zealand (Auckland) T: +64 9 951 9685

diverseco.com.au