

RDS Load Log 800i Wheel Loader Scale



RDS Load Log 800i

On-Board Wheel Loader Scale

- **Automatic compensation for variable speeds of lift**
- System accuracy: +/- 2% of capacity (or better)

The RDS Load Log 800i is a new generation on-board weighing system for wheel loaders with an intuitive and user-friendly graphical display, engineered throughout with the latest technology. The instrument provides a highly accurate weight measurement system and is designed for use in static or dynamic weighing modes. The RDS Load Log 800i now comes with an additional batch weighing facility as standard.

- User installable!**
- Just 1 day to install & Calibrate!**

Benefits of the RDS Load Log 800i system are...

- Provides an operational and management record.
- Eliminates return trips from the scale of over and under loaded trucks.
- Reduces visits to the weigh scale.
- Ensures trucks are correctly loaded the first time.
- Improves site safety by eliminating unnecessary vehicle movements.
- Weighing 'on the lift' speeds operation, enabling your operators to load more trucks per shift.



- Ensures that Trucks are Loaded correctly the first time.
- Eliminates return trips Truck Scale for under loaded or overloaded Trucks.
- Weighing is "while you lift", no stopping the bucket!
- Operating Voltage: 11-30 Vdc
- 2 Sensor system (High side and the return)

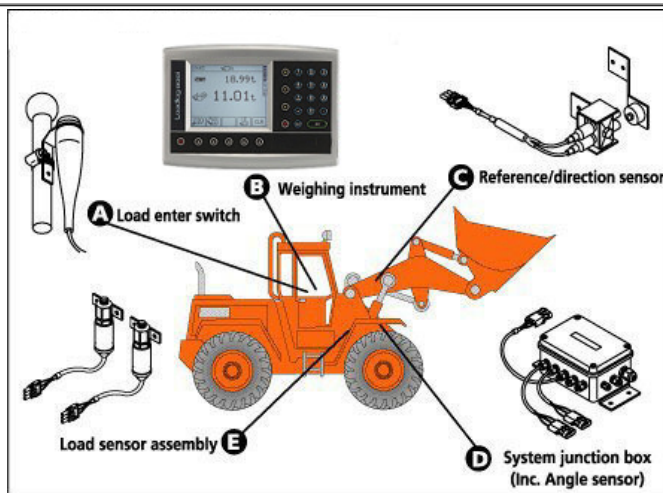
WEIGHING MODE The system is based on the measurement of the pressure of the lifting cylinder in the up phase (by means of the pressure transducer) and the calculation of the up speed. Accurate weight is achieved after the arm has passed the proximity switches. To perform the weighing just lift the arm keeping the motor revs constant is recommended, but not necessary. It is recommended practice to keep the lifting lever hooked and wait for the unit to give the whistle which signals when the system is performing the weighing. It is important during this the upward movement must remain constant, as must the motor revs. The machine should be level as possible and should be subjected to as few jolts as possible.

Some of the key features include:

- Automatic, speed-compensated, dynamic weighing
- Static weighing mode
- Accuracy + or - 2% or better
- Batch weighing capability - for uploading pre-programmed blends of materials to produce accurate mixing of batches
- Live last bucket tip off facility
- Large display for normal loading operation showing bucket load, target load, customer name, material handled & time
- Universal mounting bracket allowing adjustment to virtually any angle
- Rugged construction with an integral aluminum chassis enclosed by a heavy-duty ABS case with easy-clean finish
- Multiple attachment calibration
- Slope compensation option
- Backlit LCD graphic display and keypad

- ✓ Dual Pressure Sensors to assure highest degree of accuracy.
- ✓ Recommended for loader with bucket 3 yards or bigger.

Systems Requirements: Your hydraulic systems meet manufactures standards. Leaks in your hydraulic system may degrade the performance this system.



Cat Pox switch installation



Cat Load sensor installation

Operating Voltage: 11 - 30Vdc

Display 160 x 128 pixel (9.5 x 7.5cm)

Temperature range: -40 to +85°C storage, -20 to +70°C operating

System accuracy: +/- 2% of capacity (or better)

Load sensor rating: 2 Sensors: 0 - 250 bar

Env. protection: Instrument unit IP34, sensors IP65

Enclosure: Full RFI/EMI protection ABS outer casing

Dimensions: 155 x 220 x 65mm (HxWxD) 0.75kg

What's the difference between a single and dual transducer?

A single transducer is when one pressure transducer is connected to the loader's hydraulic systems high side, which enables the meter to register a weight. A dual transducer is when two pressure transducers are connected to the loader's hydraulic system high side and low side, which enables the meter to register a weight. Dual transducers provide greater weighing accuracy because the scale can measure the off set pressure of the High & Low side witch can charge from 100 lbs to 500 lbs in a single lift. This is only a factor on larger loaders that have ride control and larger lift cylinders.

Don't be left behind! With one of the most advanced data collection system on the market today. From the simple user, to the Company that tracks every lift and load processed thru out the day. We can help simplify the data collection and report processing for your business!

What You Should Know!

What you should know about Hydraulic system.

- Do not install scale systems on any equipment that are poorly maintained.
- Hydraulic leak can degrade the performance of any system.
- Under powered equipment can cause hydraulics to surge. This is caused by over sized attachments.
- With each of our system you will receive helpful information that will increase the accuracy of your system.

What you need to calibrate scale:

- Customer is responsible for known weight if available. Calibration of this system requires a known weight. Most customers calibrate with on site with available materials. (if material on site is not near the full capacity of the loader, the weights will not be correct)

Then load a truck, verify the weight on a truck scale. Using the nudge feature, correct the calibration as needed.

Note: The weighing system is hydraulic based. The hydraulic system on the machine MUST be free of any leaks or defects. Mechanically, the machine must be sound. Free of play in boom upper structure. Any discrepancies in the areas will result in improper operation of the weighing system.

Model	Description	Price
Apex-RDS-LoadLog800i	RDS Wheel Loader System	Call for Prices



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NOTE: It is the purchaser's responsibility to determine suitability and fitness of products for purchaser's particular purpose, application or intended use.