

## RDS WeighLog 200 OnBoard Scale



### RDS Weigh Log 200

Onboard Scales for small loaders & skidsteers

**Suitable** for agricultural loaders, shovels, compact wheeled loaders, front-end loaders, backhoes, forklifts, and other vehicles with numerous attachments..

• Operating Voltage: 11-30 Vdc

- **Automatic compensation for variable speeds of lift**



The RDS WeighLog 200 provides a low cost solution for various Industrial and Agricultural needs. The RDS WeighLog 200 measures hydraulic pressure at a specific position on the lifting cycle either Dynamically (as the load is being lifted) or Statically (where the load is being lifted to a pre-set reference position where it is held until a reading is calculated). The WeighLog 200 has automatic compensation for variable speeds of lift giving even greater load flexibility.

The RDS WeighLog 200 has 5 individual display channels available, which can be calibrated for up to 5 different loader attachments or can be used to record quantities of five different commodities/ingredients. Each channel will display the Net bucket weight at each lift which then can be added to the total for the channel in use if required.



**User installable!**

**Just 1 day to install & Calibrate!**



- Automatic, speed compensated, dynamic weighing
- Static Weighing
- 5 individual display channels
- Proven Sensor Technology
- Printing
- Backlit LCD graphic display and keypad

The RDS Weighlog 200 is a multi-channel on-board weighing system for use on compact wheeled loaders, forklifts, telescopic handlers and other vehicles with numerous attachments. The chosen channel is indicated by the chevron on the display. The system measures the hydraulic pressure in the lift cylinder and converts this to a weight using pre-calibrated data. The head unit has an illuminated our-digit display and internal audible alarm that can be set to alarm at the overload threshold. An external audible alarm is available as a further option. The Weighlog 200 now comes with new software capabilities, reducing the influence of external factors on the system.

#### Features:

- Enhanced software for increased reliability when weighing whilst moving or on rough or uneven ground.
- Multi-channel load weight display with grand total summary.
- Static and dynamic weighing modes for full 'weighing on the lift' capability.
- Illuminated, easy to read digital LCD.
- Water and weatherproof construction - suitable for vehicles without cabs.
- Automatic speed of lift compensation.
- Printer option.
- Free-standing or panel mount options.
- Allows load accumulation for different attachments, customers or products.
- Can be used for weighing in all conditions.
- Allows a faster operation and more loads per shift.
- Ensures correct loading of vehicles or product.
- Aids stock management through check-weighing incoming goods.
- Ease of use and speed compensation allows use by numerous drivers.

- Overload alarm warns driver of potential tip-over, increasing vehicle safety.
- Printer option for traceability.
- Reduces vehicle movements, increasing site safety.

Optional: External audible alarm - for use in noisy environments. A variety are available dependent on application.

**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 (with proximity switches ). To perform the weighing just lift the arm keeping the motor revs constant, 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 must work as level as possible and should be subjected to as few jolts as possible.

**Specifications:**

**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)

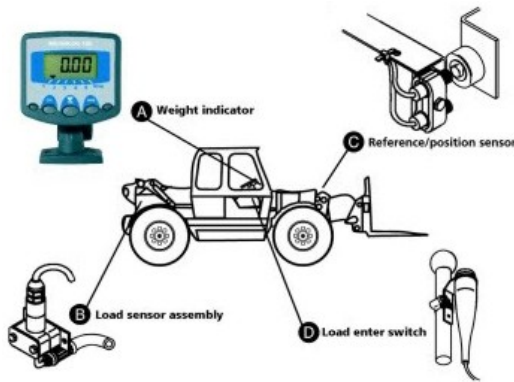
**Load sensor rating:** 0 - 250 bar

**Env. protection:** Instrument unit IP34, sensors IP65

**Enclosure:** Full RFI/EMI protection ABS outer casing

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

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



**ICP-300 Printer Features:**

- Robust, shockproof housing.
- 5 Kbytes buffer ram allows simultaneous use of printer and instrument.
- Accepts ASCII format data.

**Benefits:**

- Provides legible hard-copy print-outs of machinery utilization.
- Facilitates invoice preparation.
- Provides error-free records.



**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.

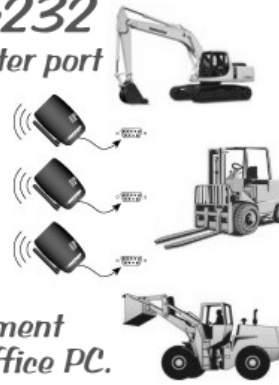
Model	Description	Price
Apex-RDS-WeighLog200	RDS Skidsteer System - Single Sensor	<a href="#">Call for Prices</a>
Apex-RDS-WeighLog200-Printer	RDS Skidsteer System with ICP-300 Printer	<a href="#">Call for Prices</a>

**Wireless RS-232**  
Plugs into your printer port  
of your scale.



**Apex CLink**

from your equipment  
to your office PC.



**ApexScales.com**  **We Ship Worldwide**  
Your Single Source Solution



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