FAIRBANKS®

LOADTRONIC 3 — DYNAMIC WEIGHING SYSTEM FOR LOADERS

The Loadtronic 3 system automatically registers important weighing information during product loading, including product type, product destination and amount loaded. The data is saved in the system's main unit and can be printed in a receipt format.

DYNAMIC LOAD WEIGHING

You don't have to stop operations to weigh with the Loadtronic 3 because this state-of-the-art load weighing system seamlessly compensates for dynamic forces, including uneven surfaces. Compensation is achieved as various sensors continuously measure the position of the lifting arms and the applied hydraulic pressure. The result is an extremely accurate, automatic weighing system.

FEATURES

- Totaling can be obtained for each day and each vehicle, customer, material and loader.
- System has capacity to store 30,000 transactions (including date and time of each individual weighinment) and information on 1000 trucks, 1000 products, 1000 customers and 999 jobs.
- Single cable harness inter-connects all sensors to the on-board display.
- System can be calibrated for up to 10 loader attachments.
- System operates with boom suspension enabled or disabled.
- System accuracy of ± 1 percent.

SPECIFICATIONS

Loadtronic 3 Main Unit:

Enclosure . . . . Silicon alloy aluminum
Dimensions . . . . 8.5" x 6.75" x 1.75"
Unit of measure . . . . Tonnes, short tons, lbs (x 1,000) or kg
Serial ports . . . . Two (2) USB;
One (1) RS232 for printer
Temperature range . . . . -25˚C to +50˚C
Voltage requirements . . . . . . 18 to 36 VDC
System accuracy. . . . . ± 1%
Attachments . . . . Up to 10, each with unique calibration
Storage capacity . . . . 1000 trucks
1000 materials
1000 customer
999 jobs
1000 locations
30,000 transactions
Option . . . . PC Link Software (enables PC file transfer to/from Loadtronic 3 via USB jump drive)

Other system components: Angle Sensor, Pressure Sensor, Bucket Sensor, Acceleration Sensor, Printer (optional)

HOW THE SYSTEM WORKS

The Loadtronic 3 computer (main display unit) automatically converts the values from two pressure sensors, an angle transducer and an acceleration transducer — which register the load on, and the position of the lift-arms, and the movement of the machine — to the right weight on the operator display.