Tuffer™ Loader Scales

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ON-BOARD WEIGHING
A VPG Branc

Weigh-In Motion Loader Scales

Increase Productivity — Load Out and Haul More Tons

Tuffer™ Weigh-In-Motion loader scales will provide the information needed to load accurately to maximum weights and keep trucks moving unidirectionally while minimizing returns to loading sites. This means you get increased productivity on every load, every day. On-board scales make it easier and faster to load accurate weights every time. Tuffer™ is designed to do the job and survive the rugged environments found in quarry and other loading operations.

The Tuffer™ can be installed on most loaders, giving you the ability to confidently load accurately the first time. Your efficiency is increased by eliminating material waste due to overloading, limiting frequent stops at public scales and avoiding overload fines that contribute to reduced profits.

With installation of the optional printer, weight data can be conveniently printed in the cab, saving time and money.

The System

The Tuffer™ Weigh-In-Motion loader scale system is designed to operate on most types and sizes of loaders. The system uses pressure sensors to measure changes in hydraulic pressure. Readings from these sensors are directly proportional to the load being lifted. The cab mounted digital display interprets output of the pressure sensors in pre-selected units of pounds, tons, kilograms or tonnes. The meter's easy-to-read LCD with built-in back light, displays multiple individual lift weights and the cumulative weight total by material, truck, or other preference. Easy-to-use on-screen user prompts makes operation fast and friendly. Tuffer™ is equipped with a last-bucket tip-off function that makes it faster and easier to get the cumulative loaded weight correct the first time.

Optional Printer

An ultra-compact, portable printer with an "easy-load" paper feature is available as an option. The printer requires 10-35VDC input power and has a maintenance free operation that is only available with thermal printers.

Benefits

- Load maximum legal loads at the loading point the first time — haul more per trip
- Save time loading, waiting to check weight, and reloading using Target Weight Mode
- Minimize overweight fines
- Reduce commercial scale fees
- Stop hauling free tonnage and giving material away

Features

- Easy-to-use user interface makes for quick learning
- High accuracy weigh-in-motion scale
- Fits loaders of most brands and sizes
- Display of individual lifts and total truck loads
- Storage of ten cumulative totals in memory
- Easy installation, calibration, and operation
- Simple operation without need to remove hand from lifting lever
- Large, easy-to-read, liquid-crystal display provides user prompts on screen and accurate weight values
- Quick-release mounting for secure storage at night or use in second loader setup
- Second loader setup available (complete system minus meter)

Specifications

Meter

- Dot matrix liquid crystal display
- 12 VDC to 28 VDC input power
- Impact-resistant, cast-aluminum housing
- 8.5 in W x 3.8 in D x 5.4 in H
- Operating temperature 0˚ F to + 120˚ F
- Built-in radio frequency interference protection

Pressure Sensors

- 25,000 PSI minimum burst pressure
- Two strain gage pressure transducers
- 303 stainless steel construction with IP67 environmental protection rating
- 10 MV/V @ 5,000 PSI output

Installation

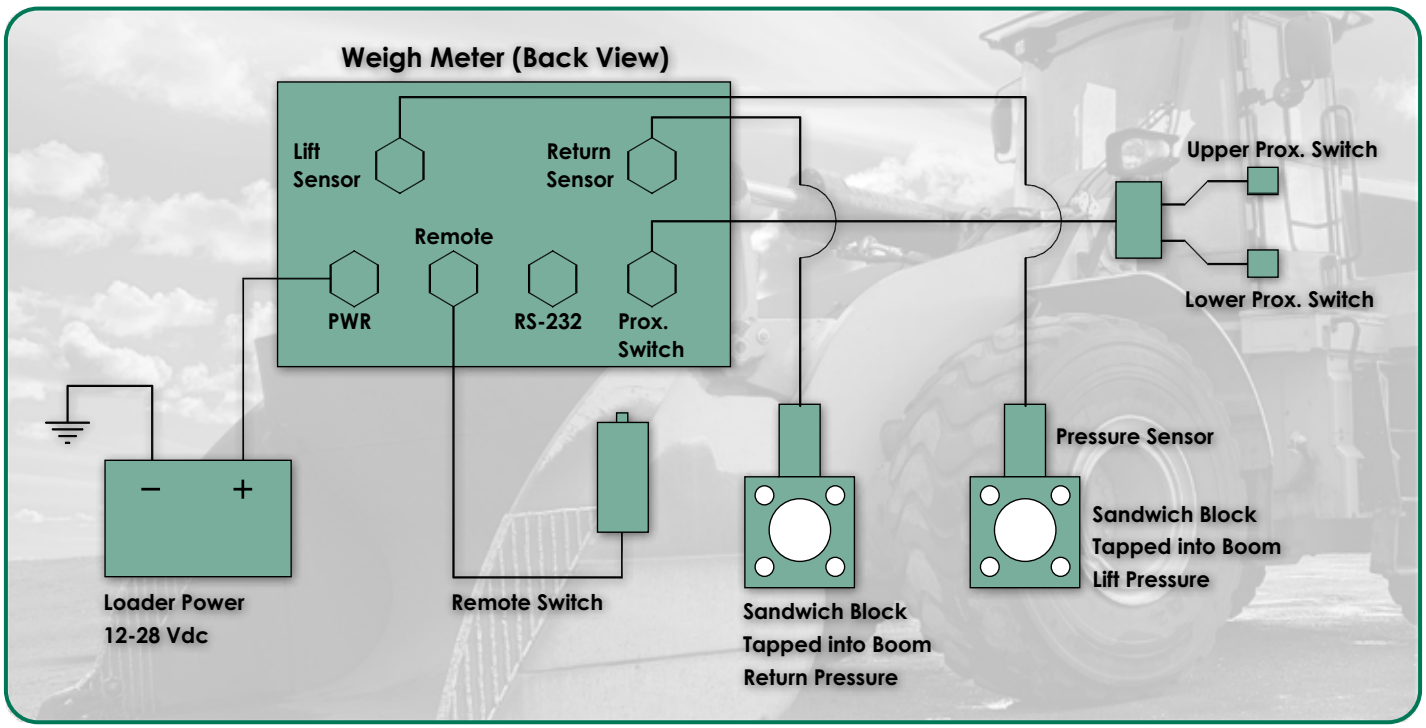
We have a Dealer Network of factory-trained dealers who offer sales and service. They can provide the installation, operator training, and after-sales service, upon request.

Hydraulic Hose

- Two 10-foot hydraulic hoses
- 25,000 PSI minimum burst pressure

Printer (Optional)

- Easy-Load paper feature
- High speed, high resolution printing
- Quiet, non-impact, maintenance free system
- 10 VDC to 35 VDC input power
- RS232 Interface
- Dimensions: 3.4 in W x 5.9 in D x 2.2 in H



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