

Products

PRO | grade

MACHINE GUIDANCE

- Digmaster ●
- Digmaster Pro ●
- pcX-Pro ●

PRO | safe

SAFE & EFFICIENT PLANT

- Liftwatch 5 ●
- Liftwatch Rail ●
- Heightwatch 6 ●
- Heightmaster ●
- EA Heightmaster + ●
- Motion Control System ●
- Rangemaster ●
- Slopemaster ●
- TMI ●
- Truckwatch ●

PRO | load

ON BOARD WEIGHING

- Weighloader ●
- Weighloader ADT ●



Accurate loading is essential in applications such as quarrying and waste handling to ensure optimum productivity, and for applications where loading of road vehicles is involved, to make sure road traffic regulations are complied with. Prolec's Weighloader offers an easy to use, cost effective, on board weighing system for plant such as wheeled loaders and telescopic handlers. Using Weighloader offers productivity benefits including right first time loading and faster working cycles as well as providing an enhancement to on site safety by reducing vehicle movement.

Benefits

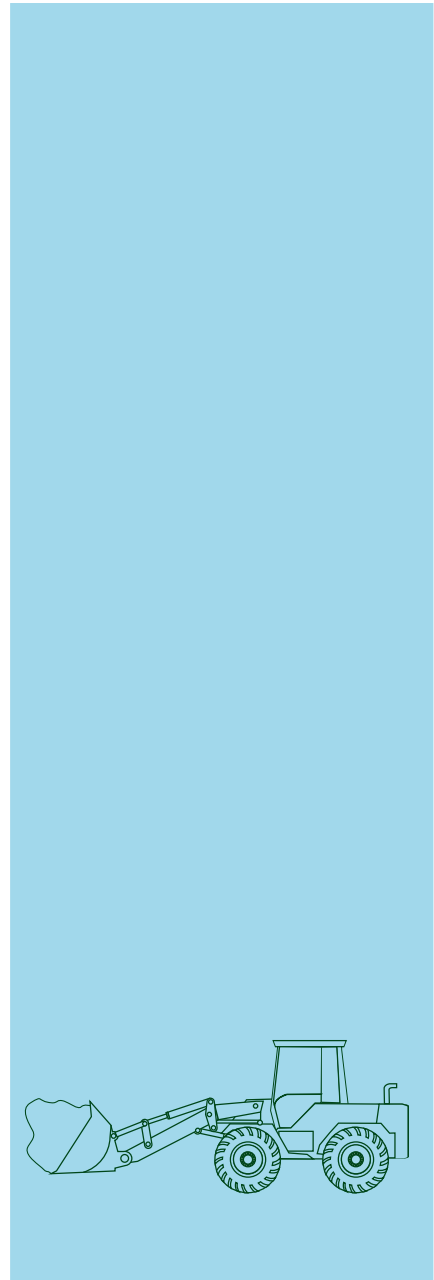
- ▶ Right first time loading
- ▶ Faster loading cycles
- ▶ Monitor loader production
- ▶ Improved safety through reduced vehicle movements
- ▶ Track product movements
- ▶ Reduced fuel consumption
- ▶ Ensure road traffic regulation compliance of loaded road vehicles

Features

- ▶ Accurate dynamic and static weighing
- ▶ Multiple bucket calibrations
- ▶ Multiple products and sites
- ▶ Easy to use operator interface
- ▶ Operators trim facility for optimum performance
- ▶ Live last bucket weighing/tip facility
- ▶ Optional printer

Suitable for use on:

- ▶ Wheeled Loaders
- ▶ Backhoe Loaders
- ▶ Telescopic Handlers
- ▶ Fork Lifts

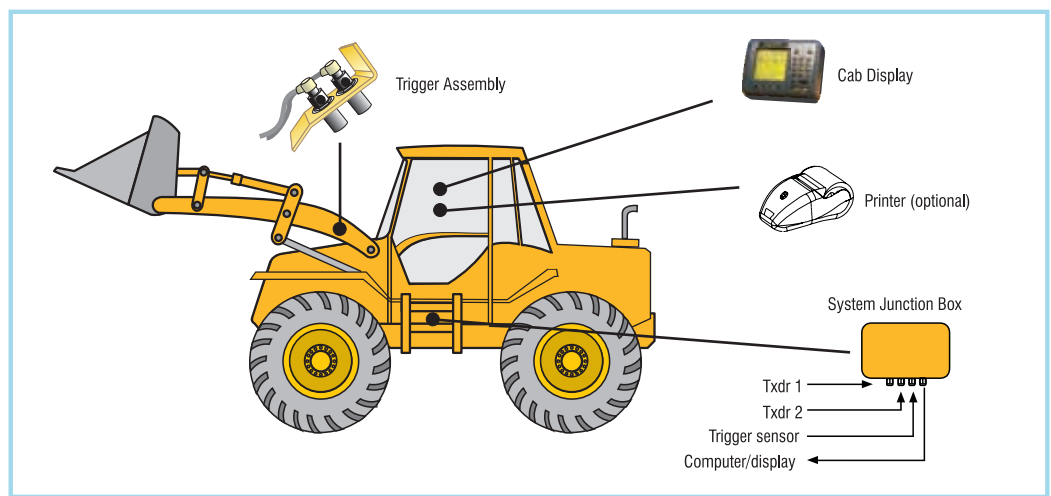


System Functionality

Weighloader uses two transducers to monitor the full side and road side lift ram pressures. Proximity sensors on the lift arm determine when the weighing position is reached and these can also be used to monitor speed and acceleration. By activating a switch on the in-cab display, operators can also compensate for ride control mechanisms.

Product Support

The Weighloader system, along with other Prolec products, is supported by a service network of mobile engineers across the UK and through selected international distributors. The company also offers a factory-based product support service that provides training to engineers and customers in the operation and maintenance of all products in the Prolec range.



Technical Specification - Display

Display Type	128 x 128 graphic display with LED backlight. Contrast/brightness adjustable.
Keypad	Backlit rubber keypad
Inputs/Outputs	RS485 serial data connection RS232 serial data connection Power supply input Opto isolated ride control detect inputs Kickout relay control
Power Supply	Operating voltage 10V to 30V dc Current consumption 100mA min (30V operation) to 300mA max (10V operation) Protected against reverse connection and voltage transients Solid state re-settable fusing and integral regulation
Temperature	Operating: 0°C to +50°C Storage -10°C to +60°C
Environmental Protection	IP65
EMC	Meets Directive 89/336/EEC

Technical Specification - Computer

Inputs/Outputs	2 x 500 bar pressure transducers 1/4 BSP hydraulic adaptor Transducers protected against x 2 (1000 bar) overpressure 2 x opto isolated proximity switch inputs RS483 serial data connection Power supply input Kickout relay control
Power Supply	Operating voltage 10V to 30V dc Current consumption 50mA min (30V operation) to 300mA max (10V operation) Protected against reverse connection and voltage transients Solid state re-settable fusing and integral regulation
Temperature	Operating: -20°C to +60°C Storage -40°C to +80°C
Environmental Protection	IP67
EMC	Meets Directive 89/336/EEC

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