

Weighloader ADT

On-board weighing system

PROLEC
SAFETY AND EFFICIENCY AT WORK

IMPROVE ADT PRODUCTIVITY WITH PROLEC

Weighloader ADT represents the first product development combining the expertise and technology of Prolec and parent company Straininstall UK Ltd. The system is based upon the successful Weighloader wheeled loader system and utilises the latest precision strain gauge technology. Designed to overcome the limitations of existing systems, the Weighloader ADT offers all the benefits of accurate on-board real time dynamic weighing.

BENEFITS

- Improves machine productivity
- Overload warning can prevent machine damage
- Proven hardware platform and sensor technology
- Configurable to fit most ADTs

PROTECT YOUR PROFIT AND YOUR PLANT

Machine plant represents a significant investment - one that you want to get the maximum return on as quickly as possible. Weighloader ADT ensures that the ADT is operated optimally within the manufacturers specifications at all times. If the ADT is not loaded to capacity then it is not working effectively, but if under loading is costly, overloading can be even more so. With an optional external warning beacon, Weighloader ADT can reduce the risk of accidental overloading incidents, minimising the risk of plant damage.

VERSATILITY

In designing Weighloader ADT, Prolec engineers have added features that take the product beyond 'fit for purpose'. The multiple site, multiple material and data



download features ensure that whatever the ADT is doing, and wherever it is doing it, its performance can be recorded and the movement of valuable material managed and monitored accurately.

OPERATIONAL FEATURES

- Automatic Operation
- Multiple site selection
- Auto or manual tare
- Target weighing mode
- Auto add
- Data download
- Multiple material recording (up to 99 products)
- User friendly operation
- Operator trim facility

BECAUSE THE WORLD ISN'T FLAT!

Developing a product that works in a controlled environment is one thing, but making one that works in the real world is another matter. Weighloader ADT offers an impressive accuracy of +/- 5% (typically +/-3%), and achieves this even on inclines and uneven surfaces. Optimised sensor position ensures accuracy travels as standard.

DESIGNED WITH THE USER IN MIND

The Weighloader platform that Weighloader ADT uses is commonplace in many quarries, mines and environments where on-board weighing is a requirement. With its user-friendly keypad, adjustable display and simple operation, it has already gained a reputation of a product that is easy to use. So simple is the product that once it has been selected, no further operator intervention is required as the system operates automatically.



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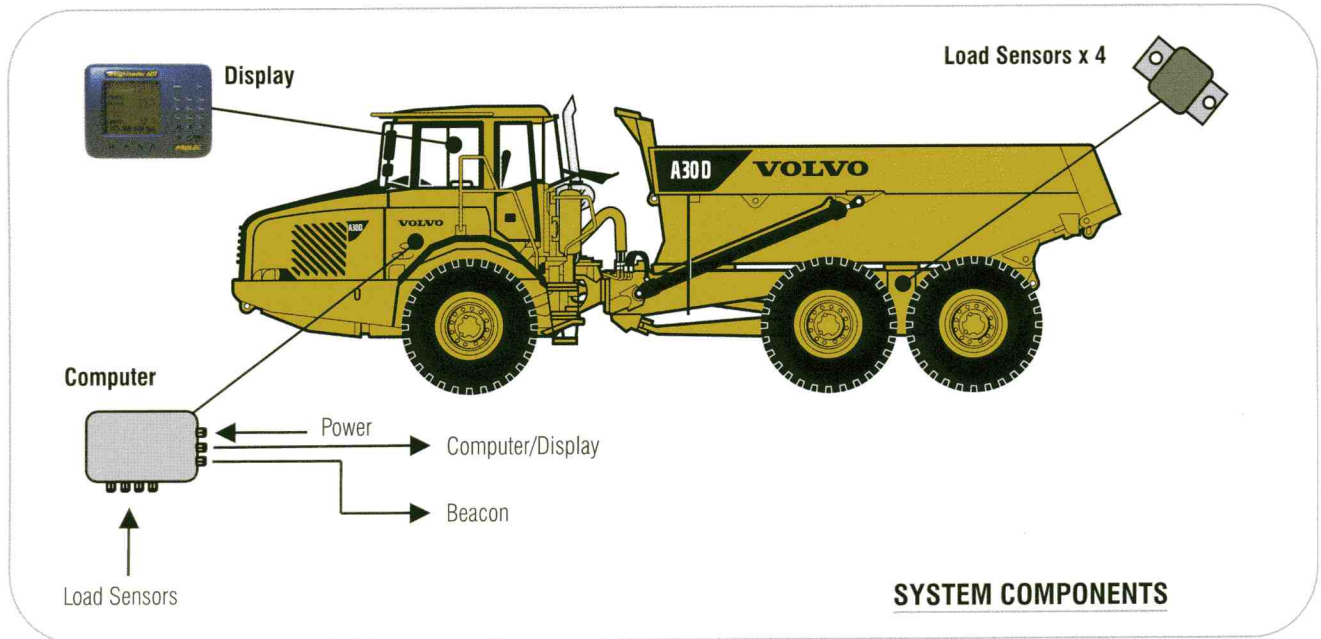


SYSTEM RELIABILITY

With their long track record in providing safety products into the construction and railway industry, Prolec recognises that reliability should come as standard - not as an option.

PRODUCT SUPPORT

The quality of after sales support is as important as the product itself. Prolec provides customer support through a network of mobile service engineers in the UK and appointed international distributors overseas. In addition to this Prolec has a dedicated in-house customer support team.



TECHNICAL SPECIFICATION

DISPLAY		COMPUTER	
DISPLAY TYPE	128 x 128 LCD graphic display with LED backlight Contrast and brightness adjustable	INPUTS/OUTPUTS	4 x load sensors RS485 serial data connection (display connection) Power supply input Beacon control output
KEYPAD	Backlit rubber keypad	POWER SUPPLY	Operating voltage 10V to 30V dc Current consumption 500mA max (not including beacon) Protected against reverse connection and voltage transients Solid state re-settable fusing and integral regulation
INPUTS/OUTPUTS	RS485 serial data (computer connection) RS232 serial data connection (printer/data download option) Opto isolated input	TEMPERATURE	Operating -20°C to +60°C Storage -40°C to +80°C
POWER SUPPLY	Operating voltage 10V to 30V dc Current consumption 500mA max Protected against reverse connection and voltage transients Solid state re-settable fusing and integral regulation	ENVIRONMENTAL PROTECTION	IP67
TEMPERATURE	Operating 0°C to +50°C Storage -10°C to +60°C	EMC	Meets Directive 89/336/EEC
ENVIRONMENTAL PROTECTION	IP65		
EMC	Meets Directive 89/336/EEC		

MANUFACTURED BY

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