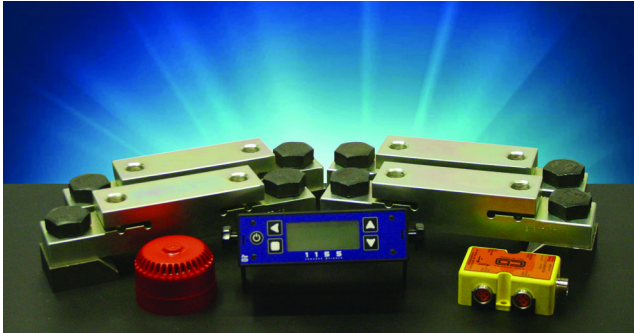


## On-Board Weighing System for Bulk Collection



### DISPLAY

- LCD with graphics
- DIN, dash or trailer mount
- Gross/net weight
- Individual axle weights
- Stability indication
- Diagnostics

### DESCRIPTION

The durable PM Onboard BulkWeigh system is designed for high accuracy in rugged environments. Waterproofed to marine quality standards, BulkWeigh is the first choice for bulk transport applications suitable for a variety of trucks from 17 to 44 tonne GVW.

PM Onboard's BulkWeigh system provides TipWatch as standard utilising inclinometer based technology within the chassis mounted junction box to monitor load distribution and vehicle positioning on uneven ground. AxleWatch provides operators with individual axle weights and gross vehicle weight which enables even distribution of load and aids drivers to be legally loaded on each axle. Body-up alerts the driver if the body is raised. Retro compatibility makes the 1155 indicator suitable for new and existing systems and Trailer Identification makes it ideal for mixed fleets. The 1155 indicator is a lightweight indicator suitable for DIN radio mount, dash mount or trailer mount.

### FEATURES

- Capacity - 17 to 50 tonne
- Accuracy -  $\pm 1\%$  FSD
- TipWatch - tipping risks alarm
- Trailer identification
- AxleWatch - axle weights overload
- Alarm sounder
- CANbus or analogue interface to load cells
- Serial printer support
- Password protection

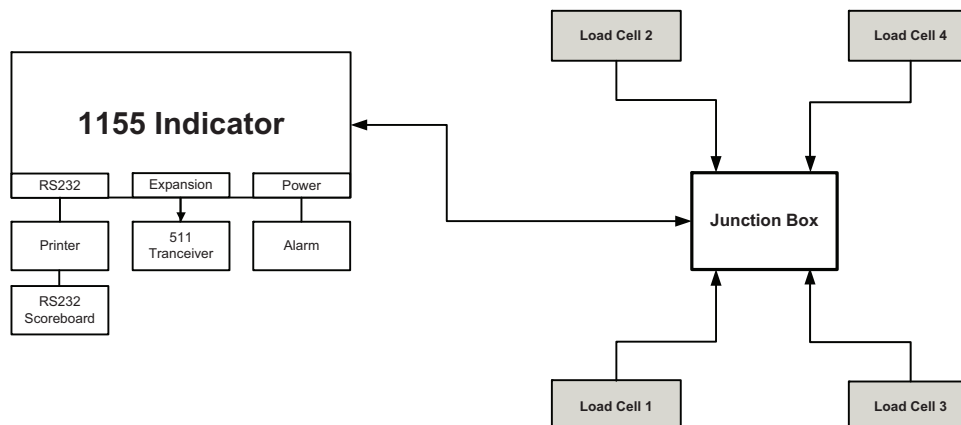
### OPTIONAL FEATURES

- Body mounted inclinometer
- Printer - thermal or heavy duty
- Custom printer headers
- 511 FreeWeigh - hand held remote display

### APPLICATIONS

- Aggregates
- Quarries
- Bulk powder
- Feed delivery
- Off-road

### SYSTEM BLOCK DIAGRAM\*



\* 4 cell system shown, can be 6 or 8 cells.

### On-Board Weighing System for Bulk Collection

<b>SPECIFICATIONS</b>				
<b>PARAMETERS</b>	<b>MINIMUM</b>	<b>TYPICAL</b>	<b>MAXIMUM</b>	<b>UNIT</b>
<b>SYSTEM</b>				
Accuracy	1			% of Full Scale
Capacity (GVW)	17		50	tonne
Operating voltage	15		30	Vdc
Operating temperature	0		60	°C
Current at 24v 4 off CANbus cells			300	mA
Current standby at 24v			10	mA
Inclinometer - chassis lean alarm			3	Degrees
Inclinometer - body load alarm			40	% off centre
Weighing modes	Standard, axle, twin/5 <sup>th</sup> wheel and air, drawbar			
<b>INDICATOR</b>				
Type	LCD			
Size	79.0 x 30.9			mm
Operating temperature	-10 to + 50			°C
Environmental protection	IP20			
Resolution	240 x 90			Dots
Dot pitch	0.42			mm
Load cell port	4 pin connector (for junction box)			
Expansion port				
On-screen display of weight				
Overload alarm - audible	Optional external alarm sounder on vehicle			
Alarm output level (at 24Vdc)	102			dB(A)
Password protection	4 digits, manager and user PIN			
Load deliver capability				
Form factor	Din cut out			
<b>LOAD CELLS</b>				
Load cell types	Up to 8 CANbus or analogue load cells			
<b>ACCESSORIES AND OPTIONS</b>				
<b>INTERFACES</b>				
RS232: - Baud rate - Connector	1200, 2400, 9600, 19200, 57600 9 pin to printers/scoreboard			bps
511 FreeWeigh compatible	Wireless remote unit, 868MHz, 15 channels			
Printer capability	Impact or heavy duty type			
Adjustable bracket				

## Disclaimer

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