On-Board Weighing System for Bulk Collection

FEATURES

- Capacity: 17 to 50 tonne
- Accuracy: ±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:**
  - Body mounted inclinometer
  - Printer: thermal or heavy duty
  - Custom printer headers
  - 511 FreeWeigh: hand-held remote display

DISPLAY FEATURES

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

APPLICATIONS

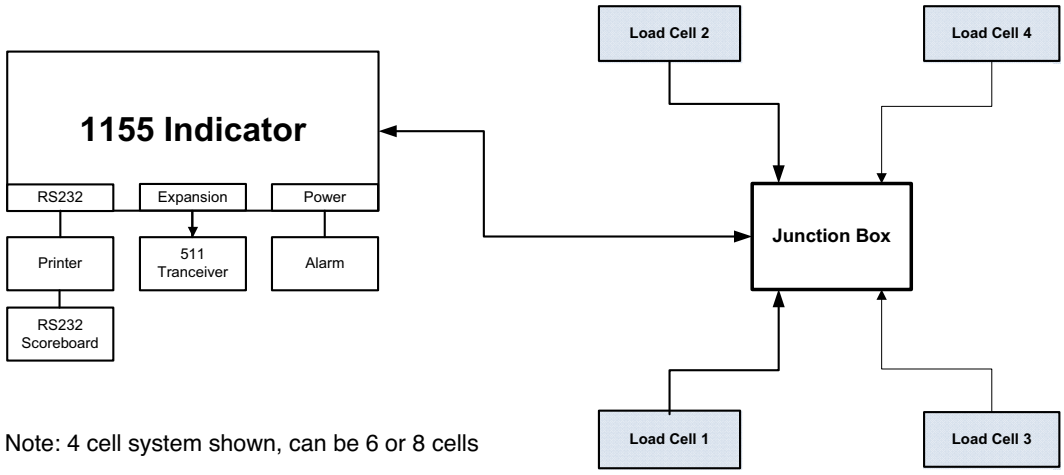
- Aggregates
- Quarries
- Bulk powder
- Feed delivery
- Off-road

DESCRIPTION

The durable 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.

The 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.

SYSTEM BLOCK DIAGRAM



Note: 4 cell system shown, can be 6 or 8 cells

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SPECIFICATIONS				
PARAMETERS	**MIN.**	**TYP.**	**MAX.**	**UNIT**
SYSTEM				
Accuracy	1			% of Full Scale
Capacity (GVW)	17		50	tonne
Operating voltage	15		30	VDC
Operating temperature	0		60	°C
Current at 24 V 4 off CANbus cells			300	mA
Current standby at 24 V			10	mA
Inclinometer, chassis lean alarm			3	Degrees
Inclinometer, body load alarm			40	% off centre
Weighing modes	Standard, axle, twin/5th wheel and air, drawbar			
INDICATOR				
Type	LCD			mm
Size	79.0 x 30.9			°C
Operating temperature	–10 to +50			
Environmental protection	IP20			Dots
Resolution	240 x 90			mm
Dot pitch	0.42			
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 24 VDC)	102			dB (A)
Password protection	4 digits, manager and user PIN			
Load deliver capability				
Form factor	Din cut out			
LOAD CELLS				
Load cell types	Up to 8 CANbus or analogue laod cells			
INTERFACES				
RS232: **Baud rate** **Connector**	1200, 2400, 9600, 19200, 57600 9 pin to printers/scoreboard			bps
511 FreeWeigh compatible	Wireless remote unit, 868 MHz, 15 channels			
Printer capability	Impact or heavy duty type			
Adjustable bracket				

Technical contact in Americas: obw.usa@vpgsensors.com;
Europe: obw.eur@vpgsensors.com; Asia: obw.asia@vpgsensors.com
Document No.: 11960
Revision: 07-Feb-2018

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