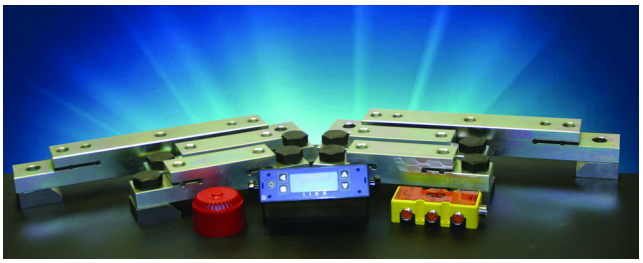
On-Board Weighing System for Waste and Refuse Collection



DISPLAY

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

FEATURES

- Capacity - 17 to 32 tonne GVW
- Accuracy - ±0.5% FSD
- Easy to operate
- AxleWatch - individual axle weights
- Barrier control
- Packer plate shutdown
- Alarm sounder
- CANbus or analogue interface to load cells
- Serial printer support
- Password protection

OPTIONAL FEATURES

- Packer plate shutdown key switch
- Printer - thermal or heavy duty
- Custom printer headers
- 511 FreeWeigh - hand held remote display

DESCRIPTION

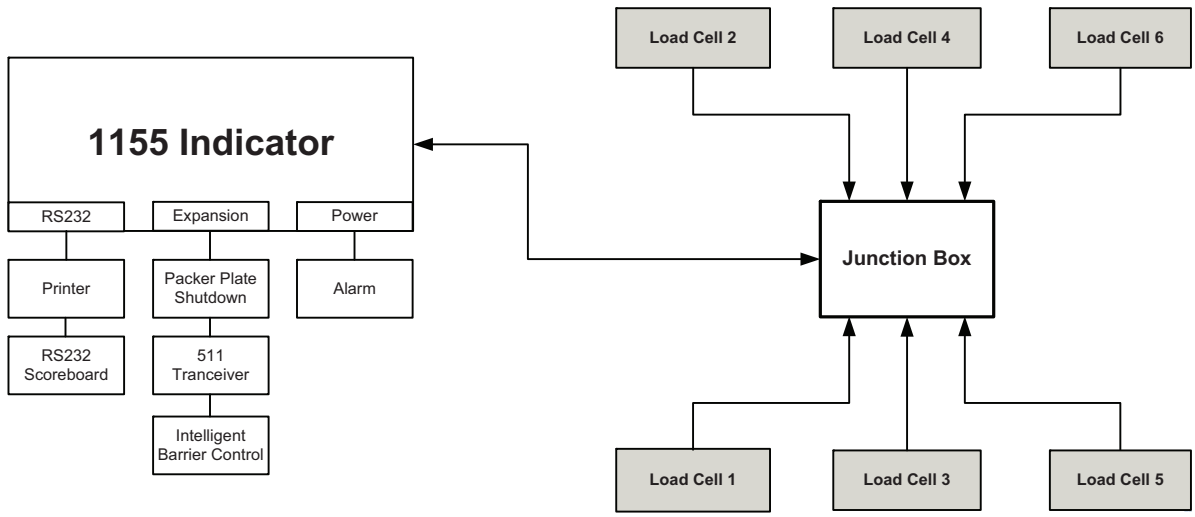
PM Onboard's integrated weighing system WasteWeigh, provides continuous and precise weight information for payload control and operational efficiency.

WasteWeigh may be used in conjunction with PM Onboard's in-cab digital indicators, the 1155 and 1300, both of which are suited to almost all types of waste and recycling operation. The 1155 indicator provides continuous weight data together with selectable axle weights, packer plate shutdown, intelligent barrier and retro compatibility (for new and existing systems). This lightweight indicator fits neatly into the DIN slot in the vehicle's dashboard or alternatively can be chassis mounted in a waterproof box.

APPLICATIONS

- Waste
- Refuse
- Recycling

SYSTEM BLOCK DIAGRAM*



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

Technical contact in Americas: obw.usa@vishaypg.com, Europe: obw.uk@vishaypg.com, China: obw.prc@vishaypg.com, Taiwan: obw.roc@vishaypg.com

On-Board Weighing System for Waste and Refuse Collection

SPECIFICATIONS				
PARAMETERS	**MINIMUM**	**TYPICAL**	**MAXIMUM**	**UNIT**
SYSTEM				
Accuracy	0.5 %			Full Scale Deflection
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			3	Degrees
Inclinometer - body			40	% off centre load alarm
INDICATOR				
Type	LCD			
Size	79.0 x 30.9			mm
Operating temperature	-10 to + 50			°C
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	102 at 24Vdc			dB(A)
Password protection	4 digits, manager and user PIN			
Load deliver capabililty				
Form factor	Din cut out			
LOAD CELLS				
Load cell types	Up to 8 CANbus or analogue load cells			
ACCESSORIES AND OPTIONS				
INTERFACES				
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			
Adjustable bracket				

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “VPG”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG’s terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG’s knowledge of typical requirements that are often placed on VPG products. It is the customer’s responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.