

Legal-for-Trade Weighing System



DISPLAY

- LCD display with backlight
- 4 off alpha numeric character sets
- 12 - 24 Vdc
- Sealed to IP40
- Temperature range -10 to +50°C
- Optical communications attachment facility for transferring data to a PC

FEATURES

- Approved for trade invoicing from the cab
- OIML R76 approved to Class III and IIII
- Accurate to 20kg in 15,000kg
- Ideal for waste and recycling vehicles
- Tilt compensation of up to 10 degrees
- Comprises 4 or 6 load cells
- RS232 serial port for remote indicator, network and printer

OPTIONAL FEATURES

- RS232 and RS485 interface
- Bluetooth
- Barcode reader
- Flashcard memory via USB
- Electronic data storage device (DSD)

DESCRIPTION

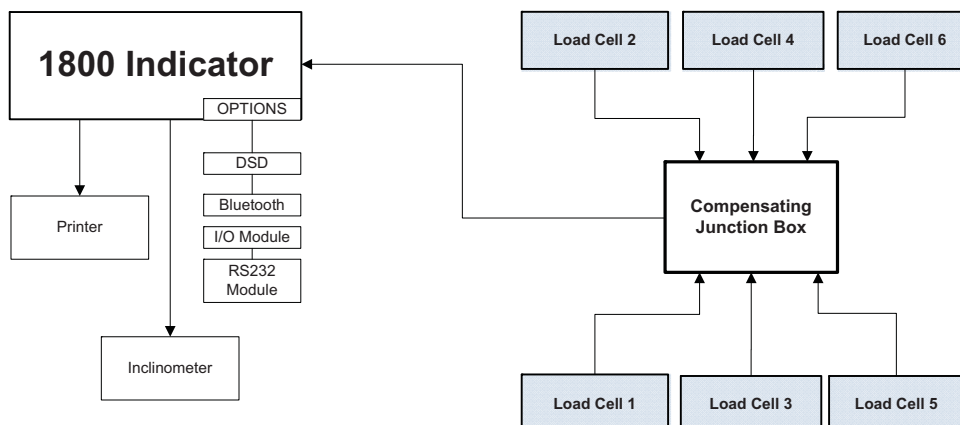
The LFT1500 system is a legal-for-trade (R76 Class III and IIII) on-board weighing system that can be used for charging by weight at the point of loading/unloading. It comprises of 4 to 6 durable load cells, an inclinometer, indicator and printer. The system allows for corner and compensation of the truck tilting up to 10°.

Our approved 22,000kg capacity load cell together with the chassis inclinometer produce weighing accuracies better than 20kg in 15,000kg. A wide range of mounting brackets is available to suit different vehicle design parameters.

APPLICATIONS

- RELs and FELS
- Recycling Trucks
- Cement Trucks
- Tankers
- Hook Loaders
- Tipping Trucks
- Demountable
- Skip Vehicles

SYSTEM BLOCK DIAGRAM*



* 6 cell system shown, can be 4 cells.

Legal-for-Trade Weighing System

SPECIFICATIONS				
PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNIT
SYSTEM				
Class III				
Capacity	20e	15000	30000	kg
Scale interval (e)	10			e
Number of divisions (n)	500		1500	
Class IIIII				
Capacity	10e	15000	30000	kg
Scale interval (e)	10			e
Number of divisions (n)	100		1000	
Tilt compensation	-10		+10	°
POWER INPUT				
Power consumption			15	VA
Operating voltage		24		Vdc
INDICATOR				
Linearity correction (optional)	10 points			
Indicator	LCD with 4 alpha-numeric lines and LED backlighting			
Setup and calibration	Full digital with visual prompting in plain messages			
Digital filter	Sliding window average from 0.1 to 30.0 seconds			
Zero range	-20		+20	% of full capacity
Operating temperature	-10		+50	°C ambient
Storage temperature	-10		+50	°C ambient
Humidity (non-condensing)			90	%
Protection level	IP55 when panel mounted or with rear boot (otherwise IP40)			
LOAD CELLS				
Capacity (per load cell) (Emax)			22,000	kg
Accuracy class	OIML R60 C3			
Output sensitivity	2.5 ± 0.008			mV/V
Save overload			150	% of Emax
Temperature range, compensated	-10		+40	°C
Material	Alloy steel			
Protection class	IP68			
ACCESSORIES AND OPTIONS				
Optical data communications	Magnetically coupled optical communications support. Optional conversion cable connects directly to a standard RS232 port or USB port			
Serial outputs	RS-232 serial port for remote indicator, network or printer supports RS-485 transmit only for remote indicator Transmission rate: 2400, 4800, 9600 or 19200 baud			
2 assignable function keys	Printing, unit switching, counting, manual hold, peak hold and totalising			
Battery backed-up real-time clock	Battery life: 10 years minimum			

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, "Vishay Precision Group"), 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 Vishay Precision Group's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

Vishay Precision Group 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, Vishay Precision Group 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 Vishay Precision Group's knowledge of typical requirements that are often placed on Vishay Precision Group 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.

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

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