Legal-for-Trade Weighing System

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

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

OPTIONAL FEATURES

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

DESCRIPTION

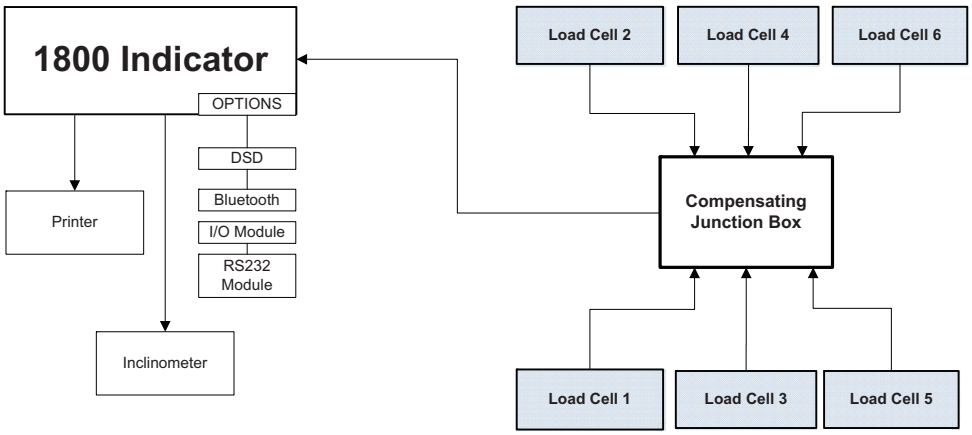
The LFT1500 system is a legal-for-trade (R76 Class III and IIII) on-board weighing system that can be used for charging by weight at the point of loading/unloading. It comprises of 4 to 6 durable load cells, an inclinometer, indicator and printer. The system allows for corner and compensation of the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

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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 IIII				
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 calibation	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			

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