



**EC Type-Approval Certificate
UK2611 Revision 10**

issued by:

**The National Measurement Office
Notified Body Number 0126**

In accordance with the requirements of the Non-automatic Weighing Instruments Regulations 2000 (SI 2000/3236) which implement, in the United Kingdom, Council Directive 2009/23/EC, this EC Type-Approval Certificate has been issued to:

**Vishay Pm Onboard Ltd
Airedale house
Canal Road
Bradford
BD2 1AG
United Kingdom**

in respect of an Class III non-automatic weighing instrument designated the PM LTF 200 indicating device connected to a platform and having the following characteristics:

Class		III	IIII
Maximum Capacity	≤	15 000 kg	15 000 kg
Minimum Capacity	≥	20 e	10 e
e	≥	10 kg	10 kg
Number of divisions		500 ≤ n ≤ 1 500	100 ≤ n ≤ 1 000

The necessary data (principal characteristics, alterations, securing, functioning etc) for identification purposes and conditions (when applicable) are set out in the descriptive annex to this certificate.

This revision replaces previous versions of the certificate.

**Issue Date: 03 October 2011
Valid Until: 02 October 2021
Reference No: T1128/0176**

**Signatory: P R Dixon
for Chief Executive**



BIS

**Department for Business
Innovation & Skills**

Descriptive Annex

1 INTRODUCTION

This instrument is a battery operated self-indicating non-automatic weighing instrument (Figure 1) designated a PM LFT200. The instrument is designed to be fitted to a road vehicle used for waste collection.

2 FUNCTIONAL DESCRIPTION

2.1 The LFT200 instrument may have any or all of the following devices:

- Initial zero setting device. $\leq 20\%$ of Max.
- Semi-automatic zero setting device. $\leq 4\%$ of Max.
- Zero tracking device.
- Zero indicating device.
- Net / Gross device.
- Semi-auto subtractive tare setting device.
- Printing / Test device.
- Tilt compensation, $\pm 16\%$, in the Longitudinal and Transverse directions.

2.2 Construction

2.2.1 Mechanical

Main Features:

- Mounted onto the vehicle chassis there are:
 - six double shear beam load cells, (Figure 2) which support the load receptor, and
 - an X / Y axis slope detector.
- Mounted in a unit attached to the vehicle body is the load cell junction box.
- Mounted in a cabinet attached to the vehicle body is the weight display indicator, and a dot matrix printer.

2.2.2 Indicator unit

Table 1

Manufacturer	Model	Test Certificate No.
UniSystems	U2375	SP 0402-MVm016, revision 1 dated 1998-01-26

2.2.3 Load receptor

Table 2

Type	No. of load cells	Load cell type
Vehicle mounted	≤10	Double shear beam

2.2.4 Load Cell

Table 3

Manufacturer	Model	Capacity Klbs.	Y= E _{max} /V _{min}	Test Cert No.	Mounting Drawing No.
Revere Transducers	5103	50 (22500 kg)	10 000	TC 5037	101195 rev.2
P M Onboard Ltd	235105	20 / 30 / 40 / 50 / 60 / 75 / 100	10 000	D09-06.47	

2.2.5 Tilt Transducer

Table 4

Manufacturer	Type
UniSystems	U9027

3 TECHNICAL DATA

The power supply is either 11 –16 V dc or optional internal 12 V battery.

4 PERIPHERAL DEVICES AND INTERFACES

4.1 Simple recipient devices (such as printers) that:

- bear the CE marking of conformity to the EMC Directive;
- are not capable of transmitting any data or instructions into the weighing instrument other than to release a printout or to check for correct data transmission;
- print or indicate weighing results and other data as received from the weighing instrument without any modification or further processing; and
- comply with the applicable requirements of EN45501, i.e. 4.2, 4.4, 4.5, 4.6, and 4.7,

may be connected to an instrument which transmits data in accordance with 5.3.6.3 of EN45501 without a Test Certificate having been issued. A printing device may print additional information such as date or number, to identify the printed weighing result(s) or sets of weighing results.

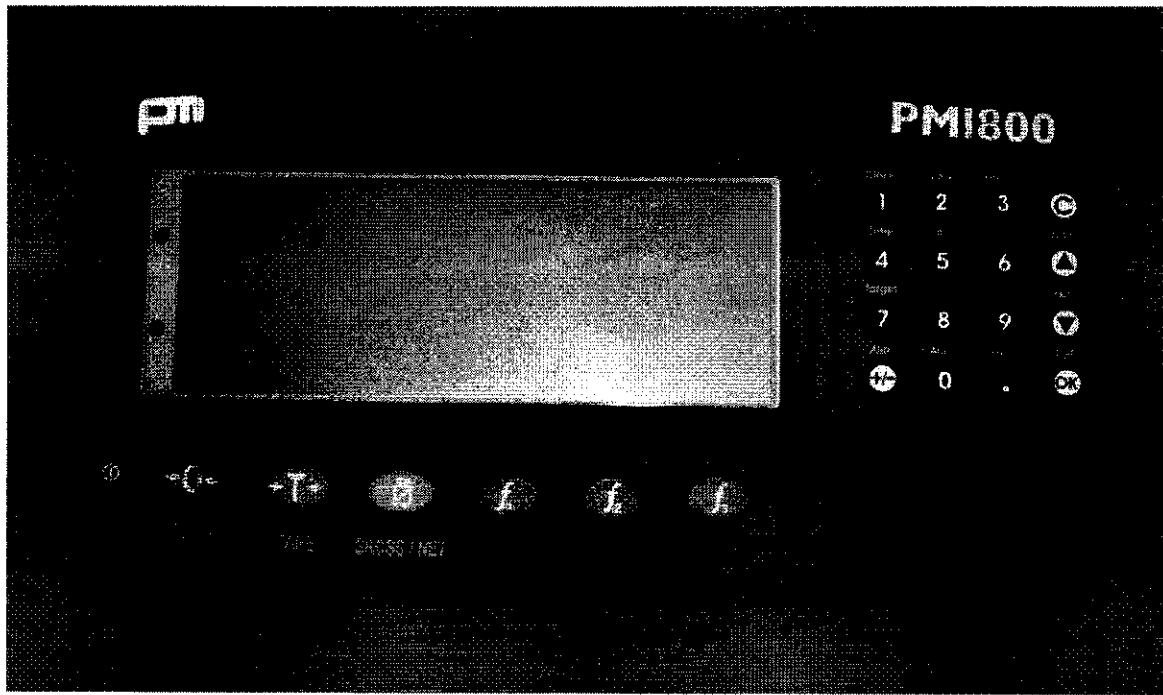


Figure 3 PM1800 Indicator