



Member State of OIML  
United Kingdom of Great Britain  
and Northern Ireland

OIML Certificate No  
R51/2006-GB1-08.01

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**  
Address: **Stanton Avenue  
Teddington  
Middlesex  
TW11 0JZ  
United Kingdom**

Person responsible: **Paul Dixon  
Product Certification Manager**

Applicant

Name: **Loma Systems Group and ITW Group**  
Address: **Southwood  
Farnborough  
Hampshire  
GU14 0NY  
United Kingdom**

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

**CW<sup>3</sup> Checkweigher**  
**Further characteristics see page 2**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

<b>OIML:</b>	<b>R51</b>
<b>Edition:</b>	<b>2006 (E)</b>
<b>Accuracy class:</b>	<b>XIII(1)</b>

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated:

Test report: TR 532 having 40 pages  
Pattern evaluation checklist: G20156 having 11 pages

The issuing authority

The CIML member



Mr P R Dixon



Mr P Mason

Date: 4 July 2008

Ref: T1108/0040

Characteristics: Mains-powered automatic checkweighing instrument designated the CW<sup>3</sup>.

Maximum capacity:	$1500 \text{ g} \leq \text{Max} \leq 6000 \text{ g}$
Minimum capacity (Min):	$\geq 50 \text{ g}$
Scale interval:	$e \geq 1 \text{ g}$
Maximum number of scale intervals:	$n \leq 1500$
Maximum belt speed:	100 m/min
Tare:	$T \leq -10\% \text{ Max} / 300\text{g}$
Load cell $E_{\text{max}}$	10 or 20 kg
Climatic environment	0°C to +40 °C
	Non-condensing (closed)
Electromagnetic environments	E1 and E2
Power supply	100 - 240 V.a.c. 50 Hz
Accuracy class	XIII(1)

Load cell:

The load cell is a Vishay Tedeá Huntleigh 240 C3, capacity 10 kg (Lightweight variant, maximum capacity 1500g) or 20 kg (Mid-Range variant, maximum capacity 6000g). The PC console provides the 10VDC excitation voltage.

Devices:

- Automatic zero setting device active during automatic operation (active if the time between two packs is more than 500 ms)
- Pre-set tare device (subtractive)
- Static calibration not accessible to the user
- Dynamic calibration accessible to the user
- Belt speed setting accessible to the user
- Internal memory for storage of batch reports
- Device to determine the stability of equilibrium, active during dynamic operation
- Device that acts upon significant faults
- Screen check at power-up

Interfaces:

- RS 232
- USB
- Ethernet

Peripherals:

The instrument may be connected to any peripheral device that has been issued with a test certificate by a Notified Body responsible for Annex B (MI-006) under Directive 2004/22/EC in any Member State and bears the CE marking of conformity to the relevant directives; or

A peripheral device without a test certificate may be connected under the following conditions:

- it bears the CE marking for conformity to the EMC Directive 89/336/EEC;
- it is not capable of transmitting any data or instruction into the weighing instrument, other than to release a printout, checking for correct data transmission or validation;
- it prints weighing results and other data as received from the weighing instrument without any modification or further processing; and
- it complies with the applicable requirements of Paragraph 8.1 of Annex I.
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The instrument may be connected to either the Loma OPC or LomaEnet systems for the collection of batch reports.

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