



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

OIML Certificate No
R51/2006-GB1-08.01
Revision 2

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:

CW³ 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):

OIML:	R51
Edition:	2006 (E)
Accuracy class:	XIII(1)

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
Test report: TR 537 having 39 pages
Pattern evaluation checklist: G20156 having 11 pages

This revision replaces previous versions of the certificate.

The issuing authority

The CIML member



Mr P R Dixon



Mr P Mason

Date: 11 December 2008

Ref: T1108/0040/86

Characteristics: Mains-powered automatic checkweighing instrument designated the CW³.

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:	$n \leq 6000$
Tare:	$T \leq -10\% \text{ Max} / 300\text{g}$
Load cell E_{max}	10 or 20 kg
Climatic environment	0°C to $+40^{\circ}\text{C}$
	Non-condensing (closed)
Electromagnetic environments	E1 and E2
Power supply	100 - 240 Va.c. 50 Hz
Accuracy class	XIII(1)

Maximum belt speed:

Load	Lightweight variant	Mid-Range variant
50 g to 200 g	80 m/min	50 m/min
201 g to 1500 g	100 m/min	100 m/min
1501 g to 2000 g	-	100 m/min
2001 g to 6000 g	-	70 m/min

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

The instrument may be connected to either the Loma OPC or LomaEnet systems for the collection of batch reports.

The load transport system may consist of conveyor belts driven by rollers or by sets of chains (designated as "Drag Link").

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