



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

OIML Certificate No
R51/1996-GB1-08.02

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: **Digi Europe Ltd**
Address: **Digi House**
Rookwood Way
Haverhill
Suffolk, CB9 8DG
United Kingdom

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

LI-700 (weight/weight-price labeller)
CWL-700 (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:	1996 (E)
Accuracy classes:	Y(a) and 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 reports Number TR525 which includes 43 pages and number TR540 which includes 15 pages, and the associated pattern evaluation checklist P00002/1 which includes 7 pages.

Issuing authority



Mr P R Dixon
for NWML

CIML member



Mr P Mason

Date 24 November 2008

Ref: T1108/0045

This pattern of an automatic catchweigher, designated the LI-700, operates as an automatic weight or weight/price labeller (Category Y). The instrument is designated the CWL-700 when configured to operate only as an automatic checkweigher (category X).

The instrument comprises a self-indicating and price-computing weighing machine with associated thermal label printer and mechanical handling facilities. It is designed to weigh packs statically, at a constant rate of operation.

The LI-700 weigher comprises the following components:

- Teraoka TPB-2930 CPU
- Teraoka TPB-2786 A/D converter
- TRK - Z123 Power Supply Unit

The load cell may be an HBM PW15 capacity 30 kg.

Any compatible load cell may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation.

The instrument is provided with the following devices:

- Initial zero-setting device ($\leq 4\%$ of Max)
- Semi-automatic zero-setting device
- Automatic zero-setting after time interval (≤ 15 mins) or number of packs
- Zero-tracking device
- Preset tare device
- Semi-automatic tare device (subtractive)
- Zero indication
- Calibration not accessible to user
- Price computation

The LI-700 has the following technical characteristics:

Maximum capacity (Max)	≤ 10 kg
Scale interval (e)	≥ 2 g
Minimum capacity (Min)	≥ 20 e
Number of scale intervals	≤ 3000
Tare (T)	$\leq - 5$ kg or 50% Max
Maximum operating rate	≤ 45 packs/min
Maximum conveyor speed	≤ 40.0 m/min
Temperature range	: 0 to 40 °C
Power supply	: 100-240 V a.c. / 50-60 Hz single phase
Label applicator pneumatic pressure	: 4-6 bars
Display/keyboard location	: Colour LCD touch screen
Accuracy class	: Y(a) and X(1)

The instrument may have the following interfaces:

- USB
- Serial (RS232)
- Ethernet

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