National Measurement Office Certification

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

OIML Certificate No
R76/1992-GB1-08.09
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority:	**National Measurement Office**
Person responsible:	**Paul Dixon – Product Certification Manager**
Applicant:	**Digi Europe Ltd** **Digi House** **Rookwood Way** **Haverhill** **Suffolk, CB9 8DG** **United Kingdom**
Manufacturer:	**The applicant**
Identification of the certified pattern:	**LI-700 (weight/weight-price labeller)**

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 Organisation of Legal Metrology (OIML):

OIML R 76 - Edition 1992(E) for **accuracy class**: [III] and [IIII]

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.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces previous versions of the certificate.

Issue Date: **16 February 2015**
Reference No: **T1128/0179**

Signatory: **G Stones**
for **Chief Executive**

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UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

The conformity was established by tests described in the associated pattern evaluation report P00002/2 Revision 1 which includes 24 pages.

Characteristics of the instrument:

This pattern of a non-automatic weighing instrument, designated the LI-700, operates as a weight or weight/price labeller.

The instrument comprises a self-indicating and price-computing weighing machine with associated thermal label printer.

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 (≤ 4 % of Max)
- Semi-automatic zero-setting device
- 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)	≤ - 50% Max
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	: III or IIII

The instrument may have the following interfaces:

- USB
- Serial (RS232)
- Ethernet

Software:

The software version number is 2.xx.xx.xxxx (with x reflecting non-legally relevant changes) which is displayed during the power-up sequence of the instrument. The legal metrological code is contained within a dll file, DPS700.dll. The dll file is protected by a checksum which is also displayed during the power-up sequence. Any modification in the dll file will result in a change in the checksum value and an error being detected. Access to the Windows operating system is prevented by password protection.

Calibration and configuration modes are password protected, and can only be made operative (even if the password is entered) by operating the A/D switch located within the enclosure.

Alternatively, the instrument may use the World View software.
The legally relevant software is contained within two dll files, identified as follows in the "About" screen:

HeaderDisplay.dll	Version 1.0.0.10
DPS710.dll	Version 1.0.0.29

The instrument may be used for direct sales to the public when using the World View software.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-08.09	24 November 2008	Certificate first issued
R76/1992-GB1-08.09 rev 1	16 February 2015	Software section added.