National Measurement Office

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

OIML Certificate No
R76/2006-GB1-12.09

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-700E**

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 2006(E) for **accuracy class**: [III]

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.

Issue Date: **08 August 2012**
Reference No: **TS1201/0044**

Signatory: **G Stones**

UKAS PRODUCT CERTIFICATION
0135

BIS Department for Business Innovation & Skills

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The conformity was established by tests described in the associated pattern evaluation report P00907/2 which includes 13 pages.

Characteristics of the instrument:

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

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

Construction:

- Stainless steel frame
- Scale conveyor, optional in-feed and out-feed conveyors (any number)
- Labeller
- Control cabinet located behind the conveyors, comprising:
  - Aplex Technology combined PC and LCD display type AHM-6127A
  - Teraoka TPB-03484 A/D converter
  - TDK Lambda power supply unit type LS75 and UPS backup type Pico UPS-100

Devices:

- Initial zero-setting device (≤ 4 % of Max)
- Semi-automatic zero-setting device (≤ 4 % of Max)
- Zero-tracking device
- Preset tare device
- Semi-automatic tare device (subtractive)
- Zero indication
- Calibration not accessible to user
- Price computation
- PLUs

Technical data:

Maximum capacity (Max)	3 kg	6 kg	10 kg
Scale interval (e =)	2 g		5 g
Minimum capacity (Min)	20 e		
Tare (T)	≤ - 50% Max		
Load cell E_{max}	15 kg		20 kg
Temperature range	0 to 40 °C		
Power supply	100-240 V a.c. / 50-60 Hz single phase		
Label applicator pneumatic pressure	4-6 bar		
Accuracy class	III		

Load cell:

The load cell is an HBM SP4M C3MR.

Software:

The software version number is 2.xx.xx.xxxx which is displayed during the power-up sequence of the instrument.

Interfaces:

- Ethernet
- USB

Alternatives:

Max and e may differ from the values specified in the table on page 2 provided a compatibility of modules is established, based on the following technical data

Maximum number of scale intervals	6000
Load cell excitation voltage	3.3 Vdc
Minimum load cell impedance	43 Ω
Maximum load cell impedance	1100 Ω
Minimum input voltage per verification scale interval	0.88 μV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	40 mV
Fraction of maximum permissible error	P_{ind} = 0.5
Load cell cable (from indicator to load cell junction box)	Maximum length = 1.5 m

Any compatible load cell(s) 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 at the time of verification.
- The load cell transmission conforms to a standard type.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-12.09	08 August 2012	Certificate first issued
-	-	No revisions have been issued.