



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

**OIML Certificate No
R76/1992-GB1-07.13
Revision 2**

OIML CERTIFICATE OF CONFORMITY

This Revision 2 cancels and replaces Revision 1 of the certificate.

Issuing authority

Name: **National Weights and Measures Laboratory
(Part of the National Measurement Office)**
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**

Identification of the certified pattern:

**Non-automatic weighing instrument formed by connecting the
DPS-700 or CM-700 indicator to a weighing platform
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:	R76
Edition:	1992 (E)
Accuracy class:	III

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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: NWML TR: 525 having 43 pages
NMI 808948 having 45 pages
Pattern evaluation checklist: F20333 having 12 pages

The issuing authority



Mr P R Dixon

The CIML member



Mr P Mason

Date: 23 April 2009

Ref: T1138/0013

Characteristics: This instrument utilises either the digital indicating device designated the DPS-700 indicator with optional labeller, or its compact version designated the CM-700, connected to a weighing platform to form a Class III or IIII, mains-powered, self-indicating non-automatic weighing instrument.

Main features:

- Processor and converter unit comprising a Teraoka TPB-2930 CPU and a Teraoka TPB-2786 A/D converter
- Touch screen (colour TFT-LCD module)
- Labeller type Digi DPS 700 thermal printer (optional)
- Metallic supporting frame (DPS-700 only)

Devices:

- Initial zero setting
- Semi-automatic zero setting
- Zero tracking
- Semi-automatic subtractive tare weighing
- Determination of stability of equilibrium
- Indication of stability of equilibrium
- Zero indicator
- PLUs
- Preset tare
- Price calculation

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Load cell:

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.

Technical data:

Power supply	100VAC-240VAC, 50 / 60 Hz	
Maximum number of scale intervals (single or multi-interval)	6000	3000
Load cell excitation voltage	10 Vdc	
Minimum load cell impedance	345 Ω	85 Ω
Maximum load cell impedance	440 Ω	3300 Ω
Minimum input voltage per verification scale interval	0.67 μV	1 μV
Measuring range minimum voltage	0 mV	
Measuring range maximum voltage	40 mV	
Fraction of maximum permissible error	P _{ind} = 0.5	
Operating temperature range	-10 °C to + 40 °C	
Load cell connection	4-wire shielded	6-wire shielded *
Load cell cable (junction box to indicator)	Maximum length = 3 m	No maximum length

* with additional EMC protection as described in GB-1283 rev 1

Important note: Apart from the mention of the certificate's 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.