



**United Kingdom of Great Britain
and Northern Ireland**

**OIML Certificate No
R76/2006-GB1-09.02**

OIML CERTIFICATE OF CONFORMITY

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:

**Weighing indicator, as part of a non-automatic weighing
instrument, designated the WPI-700**

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:	2006 (E)
Accuracy class:	III, 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.

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This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated:

NWML Test report:	TR 560	having 36 pages
Pattern Evaluation report:	P00216	having 14 pages

The issuing authority

The CIML member



Mr P R Dixon

Mr P Mason

Date: 19 October 2009

Ref: T1127/0035

Characteristics: This indicating device is designated the WPI-700. It is designed to be used as part of a Class III or IIII non-automatic weighing instrument, designated the WPI-701 (single scale) and WPI-702 (dual scale). The indicator operates as single or dual interval, is self-indicating and mains-powered, and may include a labeller.

Main features:

- Processor and converter unit comprising a Teraoka TPB-2930 CPU and a Teraoka TPB-03324 6 wire A/D converter
- Touch screen (colour TFT-LCD module)
- Waterproof metallic enclosure

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
- Dual scale operation (WPI-702)

Technical data:

Power supply	100VAC-230VAC, 50 / 60 Hz
Maximum number of scale intervals	6000 (single interval) 3000 per partial weighing range (multi-interval, with a maximum of two weighing ranges)
Dual interval range	$Max_1 \leq 50\% Max_2$
Maximum Tare	-50% Max
Maximum Preset Tare	- Max_1
Load cell excitation voltage	10 Vdc
Minimum load cell impedance	87 Ω
Maximum load cell impedance	440 Ω
Minimum input voltage per verification scale interval	0.67 μ V
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 + 30 °C
Load cell cable (junction box to indicator)	750 m/mm ²

Interfaces:

- Load cell 6-wire connection
- Ethernet
- USB

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-09.02	19 October 2009	Certificate first issued.
-	-	No revisions have been issued.

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