



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

**OIML Certificate No
R76/1992-GB1-09.11**

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: **Cardinal Scale Manufacturing Co.**
Address: **203 East Daugherty Street
PO Box 151
Webb City
Missouri, 64870
USA**

Identification of the certified pattern:

**Non-automatic weighing instrument, utilising the indicator
designated 758 CSV manufactured by Cardinal Scale
Manufacturing Co.**

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

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.

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The conformity was established by tests described in the associated:

NWML Test report:	TR 562	having 35 pages
NWML Test report:	SN 1122	having 14 pages
Pattern evaluation checklist:	P00266	having 13 pages

The issuing authority



Mr P R Dixon

The CIML member



Mr P Mason

Date: 17 November 2009

Ref: T1128/0233

Characteristics: This instrument utilises the digital indicating device designated the 758 CSV series indicator connected to a weighing platform to form a Class III or IIII, mains or battery-operated self-indicating non-automatic weighing instrument.

Main features:

- Stainless steel enclosure (may be painted)
- 5 digit, 13 mm high, 7 segment LCD weight indicator display
- 3 digit, 13 mm high 7 segment LCD body mass index display
- 4 digit, 9 mm high, 7 segment LCD height entry display
- keyboard with 10 numeric keys and 9 function keys

Devices:

- Semi-automatic zero setting device
- Zero-tracking device
- Zero indicator
- Stability indicator
- Net / Gross Indicator
- Semi automatic tare device
- Pre-set tare device
- Tare weighing device
- Display test device
- Low battery indicating device
- Body mass index function

Interfaces:

- 12 VDC power input
- 9 pin "D" sub-miniature connector for the load cell signal input.
- RS232
- USB
- Ethernet
- Digital Height Rod

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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	190 to 230VAC 50/60 Hz
Maximum number of scale intervals	5000
Maximum tare	- Max
Load cell excitation voltage	5 VDC
Minimum load cell impedance	87 Ω
Maximum load cell impedance	1000 Ω
Minimum input voltage per verification scale interval	1.2 μ V
Measuring range minimum voltage	6 mV
Measuring range maximum voltage	15 mV
Fraction of maximum permissible error	$P_{ind} = 0.5$
Operating temperature range	-10°C to +40°C
Load cell cable	4 conductor per core, shielded, polymer overall sheath. Maximum length = 3 m

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-09.11	17 November 2009	Certificate first issued.
-	-	No revisions have been issued.

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