



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

**OIML Certificate No
R76/2006-GB1-09.03**

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: **Società Cooperativa Bilanciai a.r.l.**
Address: **Via S. Ferrari No 16
41011 Campogalliano
Modena
Italy**

Identification of the certified pattern:

**Weighing indicator, as part of a non-automatic weighing
instrument, designated the D1050**

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.

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

The conformity was established by tests described in the associated:

NWML Test report:	SN 1111	having 11 pages
Bilanciai Test report	080923	having 49 pages
Pattern Evaluation report:	P00281	having 14 pages

The issuing authority

The CIML member



Mr P R Dixon

Mr P Mason

Date: 18 November 2009
Ref: T1138/0018

Characteristics: This indicating device is designated the D1050. It is designed to be used as part of a Class III or IIII non-automatic weighing instrument. It operates as single interval, multi-interval or multi-range, and is self-indicating and mains or DC-powered.

Main features:

- Stainless steel and ABS enclosure
- 10.4" graphic LCD display
- A/D conversion module (up to 4)
- Main board with processor

Devices:

- Initial zero setting
- Semi-automatic zero setting
- Zero tracking
- Automatic zero setting (negative load indications for more than 5 s)
- Semi-automatic subtractive tare weighing
- Determination of stability of equilibrium
- Indication of stability of equilibrium
- Zero indicator
- Preset tare
- Data Storage Device
- Up to 4 load receptors
- Load receptors summation
- "Weighbridge modes":
 - AdR stores vehicle information except weights IN and OUT
 - RcD: unknown vehicles, stores weight IN until weight OUT captured, record then deleted
 - RpD: stores vehicle information including weight IN

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Technical data:

Power supply	110 – 240 VAC, 50 / 60 Hz 12 VDC
Maximum number of scale intervals	6000 for single interval, Class III 4000 for multi-interval/range (2 partial ranges), Class III 3000 for multi-interval/range (3 partial ranges), Class III 1000 for single and multi-interval/range (2 and 3 partial ranges), Class III
Maximum Tare	- Max
Maximum Preset Tare	- Max (single and multi-range) - Max ₁ (multi-interval)
Load cell excitation voltage	10 Vdc (10-18 V DC for digital load cells)
Minimum load cell impedance	29 Ω
Maximum load cell impedance	5000 Ω
Minimum input voltage per verification scale interval	0.6 μV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	35 mV
Fraction of maximum permissible error	P _{ind} = 0.5 (P _{ind} = 0 for digital load cells)
Operating temperature range	-10 °C to + 40 °C
Load cell cable (junction box to indicator)	6-wire shielded Max length 2000 m/mm ²

Interfaces:

- Load cell 6-wire shielded connection
- RS232/422/485
- Ethernet
- USB
- 0-10 V / 0-20 mA analogue output
- Digital I/O

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-09.03	18 November 2009	Certificate first issued.
-	-	No revisions have been issued.

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