

**OIML Member State**  
The Netherlands

Number R76/2006-NL1-14.19  
Project number 13200457  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Ohaus Corporation 7 Campus Drive, Suite 310 PARSIPPANY NJ, 07054 United States of America
Identification of the certified type	A <b>Non-automatic weighing instrument</b> Type : Ranger 7000 R71...series
Characteristics	See next page

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 76** - Edition 2006 for accuracy class **II** and **III**

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

*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 and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**  
26 May 2014



C. Oosterman  
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).



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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-13200457-01 dated 22 May 2014 that includes 47 pages;
- No. NMI-13200457-02 dated 22 May 2014 that includes 24 pages;
- No. NMI-13200457-03 dated 22 May 2014 that includes 57 pages;
- No. NMI-13200457-04 dated 22 May 2014 that includes 39 pages;
- No. NMI-13200207-01 dated 16 July 2013 that includes 35 pages.

**Characteristics of the non-automatic weighing instrument:**

Accuracy class	II	III
Maximum capacity	$3 \text{ kg} \leq \text{Max} \leq 35 \text{ kg}$	$3 \text{ kg} \leq \text{Max} \leq 60 \text{ kg}^{(1)}$
Verification scale interval	$e \geq 0,1 \text{ g}$	$e \geq 0,5 \text{ g}^{(1)}$
Maximum number of scale intervals	$n \leq 35000 \text{ divisions}$	$n \leq 7500 \text{ divisions}$
Temperature range	$+10 \text{ }^\circ\text{C} / +30 \text{ }^\circ\text{C}$	$-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$
Tare	$T \leq -\text{Max}$	
Weighing range(s)	Single interval	
Power supply voltage	100 –240 V AC 50/60 Hz	
Software identification terminal	Version number: 1.XX <sup>(2)</sup>	
Software version base unit with load cell	Version number: 1.YY <sup>(3)</sup>	
Software version base unit with MFR weighing cell	Version number: 1.YY <sup>(3)</sup>	

1. The characteristics for the second platform can deviate from these specifications.
2. The number 1 is the legally relevant part of the software and XX is the non-legally relevant part of the software, XX may be a number from 05 to 99.
3. The number 1 is the legally relevant part of the software and YY is the non-legally relevant part of the software, YY may be a number from 02 to 99.



# OIML Certificate of Conformity

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## Characteristics of the AD-board inside the terminal for a second platform:

Accuracy class	III
Maximum number of verification scale intervals	6000
Load cell excitation voltage	3.3 V DC
Minimum input voltage per verification scale interval	1 $\mu$ V
Minimum load cell resistance	87 $\Omega$
Maximum load cell resistance	1161 $\Omega$
Temperature range	-10 °C / +40 °C
Fraction of the maximum permissible error	0,5
Load cell connection	6-wire (remote sensing)
Maximum value of the cable length per cross wire section (6-wire system)	No special cable length has to be provided for the connection between the indicator and the junction box or load cells. In case a 4-wire connection is used the load cells are connected directly without junction box