

OIML Member State
The Netherlands

Number R76/2006-NL1-15.21
Project number 15200103
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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 Non-automatic weighing instrument Type : Ranger 3000 R31P... Ranger Count 3000 RC31P... Ranger 4000 R41M... Ranger Count 4000 RC41M... Valor 7000 V71P...
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 **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**
1 May 2015



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

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).



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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-12200509-01 dated 21 December 2012 that includes 37 pages;
- No. NMI-12200509-02 dated 21 December 2012 that includes 43 pages;
- No. NMI-12200509-03 dated 21 December 2012 that includes 28 pages;
- No. NMI-15200103-01 dated 29 April 2015 that includes 39 pages.

Accuracy class	III
Weighing range(s)	Single interval
Maximum number of scale intervals (one weighing range)	$n \leq 3000$ divisions
Tare	$T \leq -\text{Max}$
Temperature range	-10 °C / +40 °C
Power supply voltage	100 – 240 V AC 50/60 Hz, or 6 V DC battery
Software identification	Version number: 1.xx (xx is a number between 00 and 99)

Internal load receptor:

Maximum capacity	$1,5 \text{ kg} \leq \text{Max} \leq 30 \text{ kg}$
Verification scale interval	$e \geq 0,5 \text{ g}$

External load receptor:

Load cell excitation voltage	3,3 V DC
Minimum input voltage per verification scale interval	1 μV
Minimum load cell resistance	87 Ω
Maximum load cell resistance	1050 Ω
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 between the indicator and the junction box or load cells	No special cable length