



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R49-1/2006-NL1-12.01 revision 5  
Project number SO15201546  
Page 1 of 4

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	KROHNE Altometer Kerkeplaat 12 3313 LC Dordrecht The Netherlands
Identification of the certified type	A <b>water meter</b> Type : WATERFLUX 3070  Water meter intended for the metering of cold potable water and hot water, model "WATERFLUX 3070", class 1 and 2.
Characteristics	See page 2 and further

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):

- R49-1/2006 (E):** Metrological and technical requirements
- R49-2/2006 (E):** Test methods
- R49-3/2006 (E):** Test Report format

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. 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**  
21 April 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](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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**OIML Member State**  
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Number R49-1/2006-NL1-12.01 revision 5  
Project number SO15201546  
Page 2 of 4

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

- Number R49-1/2006-NL1-09.01 that includes 41 pages and 14 annexes;
- Number R49-1/2006-NL1-10.01 that includes 40 pages and 3 annexes;
- Number R49-1/2006-NL1-11.01 that includes 40 pages and 4 annexes;
- Number R49-1/2006-NL1-12.01 that includes 40 pages and 3 annexes;
- Number NMI-13200159-01 that includes 6 pages and 1 annex.

## Identification of the certified pattern

Water meter intended for metering cold potable water and hot water, based on an electromagnetic principle, designed to measure forward and reverse flow, with (minimum) 0 D straight inlet and outlet, with no flow conditioner and equipped with an electronic calculating/indicating device.

Metrological characteristics:

Type	:	WATERFLUX 3070
Min/max admissible temperature (°C)	:	0,1/50
Maximum pressure	:	16 bar(g) for sizes DN200 and smaller 10 bar(g) for sizes DN250 and larger
Indicating range (m <sup>3</sup> )	:	99.999.999
Orientation	:	All positions
Environmental class	:	C
Power supply	:	Battery 3,6 V
Type $U_{\text{battery}}$	:	
Software versions	:	4.0.4_; 4.0.10_; 4.0.11_; 4.0.12_; 4.2.2_; 4.2.4_; 4.2.5_; 4.2.6_; 4.3.0_



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**OIML Member State**  
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Number R49-1/2006-NL1-12.01 revision 5  
Project number SO15201546  
Page 3 of 4

Meter size	Accuracy class	Flow rate [m <sup>3</sup> /h]				Ratio Q3/Q1
		Min. Q1	Trans. Q2	Perm. Q3	Over. Q4	
DN25	2	0,025	0,04	10	12,5	400
		0,04	0,064	16	20	
DN40	2	0,0625	0,1	25	31,3	400
		0,1	0,16	40	50	
DN50	2	0,1	0,16	40	50	400
		0,1575	0,252	63	78,75	
DN65	2	0,1575	0,25	63	78,75	400
		0,25	0,4	100	125	
	1	0,4	0,64	100	125	250
		0,25	0,4	100	125	400
DN80	2	0,4	0,64	160	200	
		0,625	1	100	125	
	1	0,64	1,02	160	200	250
		0,4	0,64	160	200	400
DN100	2	0,625	1	250	312,5	
		1	1,6	160	200	
	1	1	1,6	250	312,5	250
		0,625	1	250	312,5	400
DN125	2	1	1,6	400	500	
		1,56	2,5	250	312,5	
	1	1,6	2,56	400	500	250
		1	1,6	400	500	400
DN150	2	1,575	2,52	630	787,5	
		2,5	4	400	500	
	1	2,52	4,03	630	787,5	250
		1,575	2,52	630	787,5	400
DN200	2	3,94	6,3	630	787,5	
		2,5	4	1000	1250	
	1	6,25	10	1000	1250	160
		4	6,4	1600	2000	400
DN300	2	10	16	1600	2000	
		15,625	25	2500	3125	
DN350	1 or 2	25	40	4000	5000	160
DN400	1 or 2	25	40	4000	5000	160
DN450	1 or 2	39,375	63	6300	7875	160
DN500	1 or 2	63	100,8	6300	7875	100
DN600	1 or 2					



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Number R49-1/2006-NL1-12.01 revision 5  
Project number SO15201546  
Page 4 of 4

Meter size	Indicating range [m <sup>3</sup> ]	Verification scale interval [m <sup>3</sup> ]
DN25	99.999.999	0,00001
DN40, DN50, DN65 and DN80	99.999.999	0,0001
DN100, DN125, DN150, DN200 and DN250	99.999.999	0,001
DN300, DN350, DN400, DN450	99.999.999	0,01
DN500 and DN600	99.999.999	0,1

## Revision History

This revision replaces the previous versions.

Revision	Date	Changes
Initial	28 March 2012	-
1	22 October 2012	New software version added
2	16 April 2013	New software version added
3	26 September 2014	New software version added
4	18 March 2015	Added sizes
5	21 April 2015	New software version added