



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R49-1/2006-NL1-12.03 revision 2
Project number SO16201253
Page 1 of 4

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	KROHNE Altometer Kerkeplaat 12 3313 LC Dordrecht The Netherlands
Manufacturer	KROHNE Measurement Technology (Shanghai) Co., Ltd. No. 555 Minshen Road, Songjiang Industrial Zone Shanghai 201612 China
Identification of the certified type	A water meter 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**
7 April 2016



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).





OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R49-1/2006-NL1-12.03 revision 2
Project number SO16201253
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;
- Number NMI-15200645-01 that includes 21 pages and 4 annexes.

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. The construction of the water meter is recorded in the Documentation folder no. 10201-6.

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 ³)	:	99.999.999
Orientation	:	All positions
Environmental class	:	C
Power supply Type U _{battery}	:	- Battery 3,6 V - External battery pack with output 3,6 V - FlexPower (optional for SW 5.0.1_ or higher) 10...30V DC or 110...230V AC / 50-60Hz
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_ , 4.3.1_ , 5.0.1_

Note: In case of software version 4.3.1_ or lower the Field Current can only be set to 16 mA.
For software version 5.0.1_ or higher the different Field Currents can be selected and shall be set to 16 mA.



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R49-1/2006-NL1-12.03 revision 2
Project number SO16201253
Page 3 of 4

Meter size	Accuracy class	Flow rate [m ³ /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					



OIML Certificate of Conformity

OIML Member State
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Number R49-1/2006-NL1-12.03 revision 2
Project number SO16201253
Page 4 of 4

Meter size	Indicating range [m ³]	Verification scale interval [m ³]
DN25, DN40 and DN50	99.999.999	0,0001
DN65, DN80, DN100, DN125 and DN150	99.999.999	0,001
DN200, DN250, DN300, DN350, DN400 and 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	29 November 2012	-
1	30 November 2012	Adjustment in page numbering.
2	7 April 2016	Addition of several meter sizes, new electronics, software versions and optional power supply added