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+ Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	KROHNE Altometer Kerkeplaat 12, 3313 LC Dordrecht, The Netherlands
Manufacturer	KROHNE Altometer Kerkeplaat 12, 3313 LC Dordrecht, The Netherlands
Identification of the	A water meter
certified type	Type : OPTIFLUX x300C; OPTIFLUX x000F + IFC300y *
	Water meter intended for the metering of cold potable water, model <b>***</b> *********************************
Characteristics	See page 2 and further
identified in the OIML	the conformity of the above identified type (represented by the sample(s) Test Report) with the requirements of the following Recommendation of the tion of Legal Metrology (OIML): <b>R49-1/2006 (E)</b> : Metrological and technical requirements <b>R49-2/2006 (E)</b> : Test methods <b>R49-3/2006 (E)</b> : Test Report format
Remarks	*) With x being 1, 2, 4, 5 or 6 and with y being F or W.
instrument covered by This Certificate does no <i>Important note:</i> Apart OIML Member State in	only to the metrological and technical characteristics of the type of measuring the relevant OIML International Recommendation identified above. In bestow any form of legal international approval. from the mention of the Certificate's reference number and the name of the which the Certificate was issued, partial quotation of the Certificate and of st Report(s) is not permitted, although either may be reproduced in full.
Issuing Authority	NMi Certin B.V., OIML Issuing Authority NL1 8 November 2013 C. Oosterman Head Certification Board
NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332 certin@nmi.nl www.nmi.nl	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



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The conformity was establis OIML Test Reports:	shed by the results	of tests and e	xaminations provided	in th	ne ass	ocia	ted	+ +  + +		
- No. NMi-12200544-0	01 that includes 9 p 01 that includes 9 p 02 that includes 9 p	ages (includir ages (includir ages (includir	ng Annexes) ng Annexes) ng Annexes)							
Identification of the cert	ified pattern									
<ul> <li>No. NMi-12200544-01 that includes 9 pages (including Annexes)</li> <li>No. NMi-12200544-02 that includes 9 pages (including Annexes)</li> <li>No. NMi-13200264-02 that includes 50 pages (including Annexes)</li> </ul> Identification of the certified pattern Water meter intended for metering cold potable water, based on an electromagnetic principle, designed to measure reverse flow, with straight inlet and outlet length, with no flow conditioner and equipped with an electronic calculating/indicating device. Metrological characteristics: Type <ul> <li>COPTIFLUX x300C<sup>[1]</sup>, complete water meter</li> <li>OPTIFLUX x000F<sup>[1]</sup> + IFC300y<sup>[1]</sup>, combined water meter</li> <li>Maximum admissible</li> <li>16</li> <li>pressure (bar)</li> <li>Min/max admissible</li> <li>0,1/50</li> <li>temperature (°C)</li> <li>Orientation</li> <li>All positions</li> <li>Environmental class</li> <li>C</li> <li>Power supply</li> <li>Type</li> <li>AC</li> <li>DC</li> <li>AC/DC</li> <li>Umax</li> <li>230 V</li> <li>24 V</li> <li>24 V</li> </ul>										
<ul> <li>Metrological characteristics</li> </ul>										
+ Type + + + + + ÷				+						
		+ II COOUY , C								
	16 + + + + + +									
	0,1/50									
temperature (°C)										
Orientation :	All positions									
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Power supply :										
+ Umin + + + + + + + + + + + + + + + + + + +	100 V + + + + 50 – 60 Hz + +	12 V	24 V AC: 50 - 60 Hz							
	50 - 00 112 + +		AC. 50 - 00 112							
• • • • • • • • • • • •	<u>+</u> +.+ + +.+	 								
<sup>[1]</sup> With x being 1, 2, 4	, 5 or 6 and with y	being F or W.								



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Meter size	DN25	DN32	DN40	DN50	DN65	DN8	0 DN100						
/inimum flow rate Q1 (m <sup>3</sup> /h)	0,040	0,0625	0,0625	0,10	0,1587	0,254	1 0,3968						
ransitional flow rate Q2 (m <sup>3</sup> /h)	0,064	0,10	0,10	0,16	0,25	0,40	+ + 0,6						
ermanent flow rate Q3 (m <sup>3</sup> /h)	16	25	25	40	100	160	250						
Overload flow rate Q4 (m <sup>3</sup> /h)	20	31,3	31,3	50	125	200	* 312,5						
lominal diameter (mm)	25	32	40	50	65	80	100						
Accuracy Class	+ +	* * * * * 2 * * * * * * * * * 1 * *											
ndicating range (m <sup>3</sup> ) <sup>[2][4]</sup>	· + + ·	99.	999	* * *	* + + +	999.9	99						
'erification scale interval (m <sup>3</sup> ) <sup>[3][4]</sup>	+ +	+ + +	+ + +0,0	0001	+ + + +		+ +0,001						
***********		+ + + + + +	• • • • • • • •	• • • • • •	+ + + + + + + +		+ + + +						
Meter siz	e C	DN125	DN	150	DN200	<b>b</b> + +	DN250						
/inimum flow rate Q1 (m³/h)	+ (	0,6349	- 0,6	349	1,0		1,6						
ransitional flow rate Q2 (m <sup>3</sup> /h)	+ +	1,0	+ + + 1	,0	1,6	+ + +	2,6						
ermanent flow rate Q3 (m <sup>3</sup> /h)		400	40	00	1000		1600						
Overload flow rate Q4 (m <sup>3</sup> /h)	· · +	500	+ + + 50	00	1250	+ + +	2000						
lominal diameter (mm)		125	+ + + 1!	50	200		250						
Accuracy Class	+ +	+ + +	* * * *	+ + +1	* * * *		+ + + +						
ndicating range (m <sup>3</sup> )		99	9.999	+ + +	+ + + + + + + +	9.999.9	99 + + +						
'erification scale interval (m <sup>3</sup> )	· • +	+ + +	+ + + -	+ + 0,00	01 + + +	• • •	+ + + +						
* * * * * * * * * * * * *	· + + ·	+ + + + + +	* * * * *	* * *	+ + + + + + + +	* * *	++++						
The indicating range is progran The verification scale interval is The display of the totalizator h the totalizator must be such that de terval are met.	s progran as 11 dig	mmable, s gits (inclu	stated hei ding 1 dig	re is the r git for the	naximum e decimal :	value. sign. Tł	ne forma						



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Meter size	DN300	DN350	DN400	DN450	DN500
Minimum flow rate Q1 (m³/h) + + +	+ 2,5 + +	+ 5,0+ +	+ 8,0 +	+ +8,0 +	+ +12,6 +
Transitional flow rate Q2 (m <sup>3</sup> /h)	4,0	8,0	12,8	12,8	20,2
Permanent flow rate Q3 (m <sup>3</sup> /h)	2500	+ 2500 +	+ 4000 +	+ 4000 +	6300
Overload flow rate Q4 (m <sup>3</sup> /h)	3125	3125	5000	5000	7875
Nominal diameter (mm) + + + + +	+ 300+ +	+ 350 +	+ 400 +	+ 450 +	+ +500 +
Accuracy Class	• + + + +	· + + + +	+ + 1 + + + + + + +	* * * *	* * * *
Indicating range ( $m^3$ ) + + + + +	+ + + +		9.999.999	* * * *	* * * *
Verification scale interval (m <sup>3</sup> )	0,001	* * * *	+ + + 0,0	01 + + +	+ + + +

Meter size	DN600	DN800	DN900	DN1000	DN1200
Minimum flow rate Q1 (m <sup>3</sup> /h)	39,375	125	200	200	200
Transitional flow rate Q2 (m <sup>3</sup> /h)	63	200	320	320	320
Permanent flow rate Q3 (m <sup>3</sup> /h)	6300	10000	16000	16000 +	16000
Overload flow rate Q4 (m <sup>3</sup> /h)	7875	12500	20000	20000	20000
Nominal diameter (mm)	+ 600 + +	* 800* *	+ 900 +	+ 1000 +	+ 1200 +
Accuracy Class	• • • • •	* * * *	1 + + + + + + + + + + + + + + + + + + +	+ + + +	<del>+ + + +</del> + + + +
Indicating range (m³)	9.999.999	+ + + +	+ + 99.99	9.999 + +	* * * *
Verification scale interval (m <sup>3</sup> )		* * * *	0,1	* * * *	* * * *

#### **Electronic revision number**

<ul> <li>The electronic revision number is used to lay down the software version and the hardware of the instrument. If either changes, the number is updated.</li> <li>Approved electronic revision numbers: 3.2.4_; 3.2.6_; 3.2.7_; 3.3.0_; 3.3.1_; 3.3.2_; 3.3.3_ and 3.3.5</li> </ul>	
The electronic revision number is stored under menu items B3.6 and C5.1.6. See the manual in how to access the parameters.	ual in how to . The
Software specification: The first approved version of the water meter didn't have an electronic revision number. The approved software version is identified as:	
<ul> <li>Main software: 2.2.1. Menu items B3.3 and C5.1.5</li> <li>User interface: 3.1.0. Menu item B3.4 and C5.2.5</li> </ul>	
See the manual in how to access the parameters.	



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