



OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: NMI Certin B.V.
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The Netherlands
Person responsible: Ing. C. Oosterman

Applicant

Name: Krohne Altometer
Address: Kerkeplaat 12
3313 LC Dordrecht
The Netherlands

Manufacturer of the certified type

Name: Krohne Altometer
Address: Kerkeplaat 12
3313 LC Dordrecht
The Netherlands

Identification of certified type

Type : OPTIFLUX x300C^[1]; OPTIFLUX x000F^[1] + IFC300

Water meter intended for the metering of cold potable water, model "OPTIFLUX x300C^[1]; OPTIFLUX x000F^[1] + IFC300", class 1 and 2.

Further characteristics: see page 3.

^[1] With x being 2 or 4.



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

R49-1/2003 (E): Metrological and technical requirements

R49-2/2004 (E): Test methods

R49-3/2004 (E): Test Report format

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

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

- No. R49-1/2003-NL1-06.01 that includes 41 pages
- No. R49-1/2003-NL1-06.01; Annex A that includes 1 page
- No. R49-1/2003-NL1-06.01; Annex 1 that includes 21 pages
- No. R49-1/2003-NL1-06.01; Annex 2 that includes 4 pages
- No. R49-1/2003-NL1-06.01; Annex 3 that includes 11 pages
- No. R49-1/2003-NL1-06.01; Annex 4 that includes 9 pages
- No. R49-1/2003-NL1-06.01; Annex 5 that includes 7 pages
- No. R49-1/2003-NL1-06.01; Annex 6 that includes 9 pages
- No. R49-1/2003-NL1-06.01; Annex 7 that includes 8 pages
- No. R49-1/2003-NL1-06.01; Annex 8 that includes 5 pages
- No. R49-1/2003-NL1-06.01; Annex 9 that includes 2 pages
- No. R49-1/2003-NL1-06.01; Annex 10 that includes 2 pages
- No. R49-1/2003-NL1-06.01; Annex 11 that includes 8 pages
- No. R49-1/2003-NL1-06.01; Annex 12 that includes 16 pages
- No. R49-1/2003-NL1-06.01; Annex 13 that includes 4 pages
- No. R49-1/2003-NL1-06.01; Annex 14 that includes 4 pages
- No. R49-1/2003-NL1-06.01; Annex 15 that includes 6 pages
- No. R49-1/2003-NL1-06.01; Annex 16 that includes 9 pages
- No. R49-1/2003-NL1-06.01; Annex 17 that includes 26 pages

The Issuing Authority

Ing. C. Oosterman

Manager Product Certification

Date: March 17, 2006

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Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated Test Report is not permitted, although either may be reproduced in full.

Identification of the certified pattern – continued from page 1

Water meter intended for metering cold potable water, based on a 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: OPTIFLUX x300C^[1], complete water meter
OPTIFLUX x000F^[1] + IFC300, combined water meter

Meter size	DN25	DN50	DN80	DN100
Minimum flow rate Q1 (m ³ /h)	0,040	0,10	0,25	0,4
Transitional flow rate Q2 (m ³ /h)	0,064	0,16	0,40	0,6
Permanent flow rate Q3 (m ³ /h)	16	40	160	250
Overload flow rate Q4 (m ³ /h)	20	50	200	312,5
Nominal diameter (mm)	25	50	80	100
Accuracy Class	2		1	
Maximum admissible pressure (bar)	16			
Min/max admissible temperature (°C)	0,1 / 50			
Indicating range (m ³) ^{[2][4]}	99.999		999.999	
Verification scale interval (m ³) ^{[3][4]}	0,0001		0,001	
Orientation	All positions			
Environmental class	C			
Power supply	mains AC		DC	
Type				
U _{max}	230 V		24 V	
U _{min}	100 V		12 V	
Frequency	50 – 60 Hz		-	

[1] With x being 2 or 4.

[2] The indicating range is programmable, stated here is the minimum indicating range.

[3] The verification scale interval is programmable, stated here is the maximum value.

[4] The display of the totalizator has 11 digits (including 1 digit for the decimal sign. The format of the totalizator must be such that demands of the indicating range and the verification scale interval are met.

Meter size	DN150	DN250	DN500
Minimum flow rate Q1 (m ³ /h)	0,6	1,6	12,6
Transitional flow rate Q2 (m ³ /h)	1,0	2,6	20,2
Permanent flow rate Q3 (m ³ /h)	400	1600	6300
Overload flow rate Q4 (m ³ /h)	500	2000	7875
Nominal diameter (mm)	150	250	500
Accuracy Class	1		
Maximum admissible pressure (bar)	16		
Min/max admissible temperature (°C)	0,1 / 50		
Indicating range (m ³) ^{[1][3]}	999.999	9.999.999	99.999.999
Verification scale interval (m ³) ^{[2][3]}	0,001		0,01
Orientation	All positions		
Environmental class	C		
Power supply			
Type	mains AC	DC	
U _{max}	230 V	24 V	
U _{min}	100 V	12 V	
Frequency	50 – 60 Hz	-	

[1] The indicating range is programmable, stated here is the minimum indicating range.

[2] The verification scale interval is programmable, stated here is the maximum value.

[3] The display of the totalizer has 11 digits (including 1 digit for the decimal sign). The format of the totalizer must be such that demands of the indicating range and the verification scale interval are met.