

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: NMI Certin B.V.
Address: Hugo de Grootplein 1
3314 EG Dordrecht
The Netherlands

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: WATERFLUX 3070

Water meter intended for the metering of cold potable water and hot water, model "WATERFLUX 3070", class 1 and 2.

Further characteristics: see page 3 and further.



OIML Certificate N° R49-1/2006-NL1-12.01

Project number 11200810

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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):
R49-1/2006 (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 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 Reports:

- 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.

The Issuing Authority NL1
NMI Certin, 28 March 2012

C. Oosterman
Head Certification Board

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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 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

Meter size	DN65	DN80		DN100		DN125	
Minimum flow rate Q1 (m ³ /h)	0,40	0,625	0,64	1,0	1,0	1,56	1,60
Transitional flow rate Q2 (m ³ /h)	0,64	1,00	1,02	1,6	1,6	2,50	2,56
Permanent flow rate Q3 (m ³ /h)	100	100	160	160	250	250	400
Overload flow rate Q4 (m ³ /h)	125	125	200	200	312,5	312,5	500
Ratio Q3/Q1	250	160	250	160	250	160	250
Nominal diameter (mm)	65	80		100		125	
Accuracy Class	1						
Maximum admissible pressure (bar)	16						
Min/max admissible temperature (°C)	0,1/50						
Indicating range (m ³)	99.999.999						
Verification scale interval (m ³)	0,0001			0,001			
Orientation	All positions						
Environmental class	C						
Power supply Type U _{battery}	Battery 3,6 V						
Software versions	4.0.4 ; 4.0.10 ; 4.0.11 ; 4.0.12 ; 4.2.2						

Meter size	DN150		DN200	DN250	DN300
Minimum flow rate Q1 (m ³ /h)	2,50	2,52	3,94	6,25	10
Transitional flow rate Q2 (m ³ /h)	4,00	4,03	6,30	10	16
Permanent flow rate Q3 (m ³ /h)	400	630	630	1000	1600
Overload flow rate Q4 (m ³ /h)	500	787,5	787,5	1250	2000
Ratio Q3/Q1	160	250	160	160	160
Nominal diameter (mm)	150		200	250	300
Accuracy Class	1				
Maximum admissible pressure (bar)	16			10	
Min/max admissible temperature (°C)	0,1 / 50				
Indicating range (m ³)	99.999.999				
Verification scale interval (m ³)	0,001				0,01
Orientation	All positions				
Environmental class	C				
Power supply Type U _{battery}	Battery 3,6 V				
Software versions	4.0.4_ ; 4.0.10_ ; 4.0.11_ ; 4.0.12_ ; 4.2.2_				

Meter size	DN25		DN40		DN50		DN65	
	Minimum flow rate Q1 (m ³ /h)	0,025	0,040	0,0625	0,100	0,100	0,1575	0,1575
Transitional flow rate Q2 (m ³ /h)	0,040	0,064	0,100	0,160	0,160	0,252	0,250	0,400
Permanent flow rate Q3 (m ³ /h)	10	16	25	40	40	63	63	100
Overload flow rate Q4 (m ³ /h)	12,5	20	31,3	50	50	78,75	78,75	125
Ratio Q3/Q1	400		400		400		400	
Nominal diameter (mm)	25		40		50		65	
Accuracy Class	2							
Maximum admissible pressure (bar)	16							
Min/max admissible temperature (°C)	0,1/50							
Indicating range (m ³)	99.999.999							
Verification scale interval (m ³)	0,00001			0,0001				
Orientation	All positions							
Environmental class	C							
Power supply Type U _{battery}	Battery 3,6 V							
Software versions	4.0.4_ ; 4.0.10_ ; 4.0.11_ ; 4.0.12_ ; 4.2.2_							



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Meter size	DN80		DN100		DN125		DN150	
Minimum flow rate Q1 (m ³ /h)	0,25	0,40	0,40	0,625	0,625	1,00	1,00	1,575
Transitional flow rate Q2 (m ³ /h)	0,40	0,64	0,64	1,00	1,00	1,60	1,60	2,52
Permanent flow rate Q3 (m ³ /h)	100	160	160	250	250	400	400	630
Overload flow rate Q4 (m ³ /h)	125	200	200	312,5	312,5	500	500	787,5
Ratio Q3/Q1	400		400		400		400	
Nominal diameter (mm)	80		100		125		150	
Accuracy Class	2							
Maximum admissible pressure (bar)	16							
Min/max admissible temperature (°C)	0,1/50							
Indicating range (m ³)	99.999.999							
Verification scale interval (m ³)	0,0001			0,001				
Orientation	All positions							
Environmental class	C							
Power supply Type U _{battery}	Battery 3,6 V							
Software versions	4.0.4_ ; 4.0.10_ ; 4.0.11_ ; 4.0.12_ ; 4.2.2_							



Meter size	DN200	DN250	DN300
Minimum flow rate Q1 (m ³ /h)	1,575	2,50	4,00
Transitional flow rate Q2 (m ³ /h)	2,52	4,00	6,40
Permanent flow rate Q3 (m ³ /h)	630	1000	1600
Overload flow rate Q4 (m ³ /h)	787,5	1250	2000
Ratio Q3/Q1	400	400	400
Nominal diameter (mm)	200	250	300
Accuracy Class	2		
Maximum admissible pressure (bar)	16	10	
Min/max admissible temperature (°C)	0,1/50		
Indicating range (m ³)	99.999.999		
Verification scale interval (m ³)	0,001		0,01
Orientation	All positions		
Environmental class	C		
Power supply Type U _{battery}	Battery 3,6 V		
Software versions	4.0.4_ ; 4.0.10_ ; 4.0.11_ ; 4.0.12_ ; 4.2.2_		