



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R49-1/2006-NL1-11.02
Project number 11200755
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Itron Eau et Energie Thermique 11 Boulevard Pasteur 67500 Haguenau, France
Manufacturer	Itron Eau et Energie Thermique 11 Boulevard Pasteur 67500 Haguenau, France
Identification of the certified type	A Water meter Type : Sharpflow SWB7 + CWB7
Characteristics	See next page

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):

OIML R49 - Edition 2006

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
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**
22 November 2011


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).





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

- No. R49-1/2006-NL1-09.01 that includes 41 pages and 14 annexes.

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 reverse flow, with straight inlet and outlet length, with no flow conditioner and equipped with an electronic calculating/indicating device.

Metrological characteristics:

Type: Sharpflow SWB7 + CWB7

Meter size	DN65	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	
Minimum flow rate Q1 (m ³ /h)	0,40	0,63	0,64	1,0	1,0	1,56	1,60	2,50	2,52	3,94	
Transitional flow rate Q2 (m ³ /h)	0,64	1,00	1,02	1,6	1,6	2,50	2,56	4,00	4,03	6,30	
Permanent flow rate Q3 (m ³ /h)	100	100	160	160	250	250	400	400	630	630	
Overload flow rate Q4 (m ³ /h)	125	125	200	200	312,5	312,5	500	500	787,5	787,5	
Nominal diameter (mm)	65	80	80	100	100	125	125	150	150	200	
Accuracy Class	1										
Maximum admissible pressure (bar)	10										
Min/max admissible temperature (°C)	0,1 / 50										
Indicating range (m ³)	99,999			999,999				9.999,999			
Verification scale interval (m ³)	0,0001			0,001				0,001			
Orientation	All positions										
Environmental class	C										
Power supply Type U _{battery} (V)	Battery 3,6										



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Meter size	DN50	DN50	DN65	DN65	DN80	DN80	DN100	DN100
Minimum flow rate Q1 (m ³ /h)	0,100	0,158	0,160	0,250	0,25	0,40	0,40	0,63
Transitional flow rate Q2 (m ³ /h)	0,160	0,252	0,25	0,40	0,40	0,64	0,64	1,00
Permanent flow rate Q3 (m ³ /h)	40	63	63	100	100	160	160	250
Overload flow rate Q4 (m ³ /h)	50	78,75	78,80	125	125	200	200	312,5
Nominal diameter (mm)	50	50	65	65	80	80	100	100
Accuracy Class	2							
Maximum admissible pressure (bar)	10							
Min/max admissible temperature (°C)	0,1 / 50							
Indicating range (m ³)	99,999				999,999			
Verification scale interval (m ³)	0,0001				0,001			
Orientation	All positions							
Environmental class	C							
Power supply Type U _{battery} (V)	Battery 3,6							



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Meter size	DN125	DN125	DN150	DN150	DN200
Minimum flow rate Q1 (m ³ /h)	0,63	1,00	1,00	1,58	1,58
Transitional flow rate Q2 (m ³ /h)	1,00	1,60	1,60	2,52	2,52
Permanent flow rate Q3 (m ³ /h)	250	400	400	630	630
Overload flow rate Q4 (m ³ /h)	312,5	500	500	787,5	787,5
Nominal diameter (mm)	125	125	150	150	200
Accuracy Class	2				
Maximum admissible pressure (bar)	10				
Min/max admissible temperature (°C)	0,1 / 50				
Indicating range (m ³)	999,999				9.999,999
Verification scale interval (m ³)	0,001				
Orientation	All positions				
Environmental class	C				
Power supply Type U _{battery} (V)	Battery 3,6				