



Member State of OIML
Germany



OIML Certificate No.
R49/2013-DE1-15.04

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Physikalisch-Technische Bundesanstalt
Address: Bundesallee 100, 38116 Braunschweig
Person responsible: Dr. M. Rinker

Applicant

Name: Schor & Parfenov Nürnberg GmbH
Address: Hauptstraße 27, 90547 Stein
GERMANY

Manufacturer

Name: AB „Axis Industries“
Address: Kulautuvos str. 45a, 44403 Kaunas
LITHUANIA

Identification of the certified type

Water meter
Type: **QALCOSONIC FLOW 3**
Ultrasonic flow meter

Further characteristics see page 3

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):

R 49-1 (Edition 2013) Metrological and technical requirements
R 49-2 (Edition 2013) Test methods
R 49-3 (Edition 2013) 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.

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

No. PTB-1.5-4076674 that includes 74 pages

The Issuing Authority

The OIML Member

Dr. M. Rinker
Member of Certification Body

Dr. R. Schwartz
Vice President

11.09.2015

11.09.2015

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(s) is not permitted, although either may be reproduced in full.

Identification of the certified type – page 1 continued

Type details

Permanent flowrate	2,5 m³/h			4 m³/h	
Operating conditions	Q ₁	0,006 m ³ /h			0,01 m ³ /h
	Q ₂	0.01 m ³ /h			0,016 m ³ /h
	Q ₃	2,5 m ³ /h			4 m ³ /h
	Q ₄	3,125 m ³ /h			5 m ³ /h
	Q ₂ / Q ₁	1,6			
	Q ₃ / Q ₁	400			
Connection type:	DN 20	G ³ / ₄ "	G1"	DN 20	G1"
Meter length:	190 mm	110 mm 165 mm	190 mm	190	130 mm 190 mm
Maximum permissible error:	± 2 % (Q ₂ ≤ Q ≤ Q ₄) for water temperature ≤ 30 °C				
	± 3 % (Q ₂ ≤ Q ≤ Q ₄) for water temperature > 30 °C				
	± 5 % (Q ₁ ≤ Q < Q ₂)				
Water temperature range:	0,1 °C to 90 °C				
Maximum admissible pressure	16 / 25 bar (both alternatives available for flange and screw thread)				
Pressure loss class ΔP:	0,25 / 0,63 bar (both alternatives available for flange and screw thread)				
Orientation limitations:	no limitations				
Minimum straight length of inlet / outlet pipe:	0 mm				
Environmental class:	B				
Mechanical Environmental:	M1				
Climatic Environmental:	5 °C to 65 °C				
Electromagnetic Environmental:	E1				
Power supply:	Battery:	3,1...3,6 V			
	DC:	12 ...42 V			
	AC:	12 ...36 V 50/60 Hz			