



Member State of OIML
Germany



OIML Certificate No.
R49/2006-DE1-08.04
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: ZENNER International GmbH & Co. KG
Address: Römerstadt 6, 66121 Saarbrücken

Manufacturers

ZENNER International GmbH & Co KG. Talstraße 2 09619 Mulda GERMANY	ZENNER do Brasil Instrumentos de Medição Ltda. Rua Bartolomeu de Gusmão, 2.444 Canudos – Novo Hamburgo RS CEP: 93546-000 BRAZIL
ZENNER Aquamet India Pvt Ltd. 39-B, HSIDC Industrial Estate, Sec. 31 Faridabad - 121003 INDIA	ZENNER Meters LTD 15 Dongxing Road Songjiang Industrial Zone Shanghai, 201613 P. R. China
ZENNER Coma JVC Construction Machinery Company 125 D Minh Khai Street Hanoi VIETNAM	ZENNER Han Sein Thant Co. LTD No. 88, 89, 90, Ma Haw Gani Street, Quarter (1), Shwe Pyi Thar Township, Yangon Region, Republic of the Union of Myanmar

Identification of the certified type

Water meter intended for the metering of cold potable water
Type: MTK-AM-8, MTK, MTK-AM, MTK-N, MTK-I, MTK-5, MTK-8, MTK-S
Based on multi jet principle with mechanical register
Viewing window (counter lens): plastic or mineral glass

Further characteristics see page 4



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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) Metrological and technical requirements
R49-2 (2006) Test methods
R49-3 (2006) 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 OIML Basic Type Evaluation Reports

Q3-2,5 a-01,	dated	2008-08-27,	that includes	62 pages
Q3-2,5 a-02,	dated	2008-08-27,	that includes	110 pages
Q3-2,5 a-03,	dated	2008-08-27,	that includes	59 pages
Q3-2,5 a-04,	dated	2008-08-27,	that includes	57 pages
Q3-2,5 b-01,	dated	2008-08-27,	that includes	59 pages
Q3-4 a-01,	dated	2008-08-27,	that includes	155 pages
Q3-4 a-02,	dated	2008-08-27,	that includes	299 pages
Q3-4 a-03,	dated	2008-08-27,	that includes	155 pages
Q3-4 a-04,	dated	2008-08-27,	that includes	71 pages
Q3-4 b-01,	dated	2008-08-27,	that includes	155 pages
Q3-4 b-02,	dated	2008-08-27,	that includes	299 pages

Certificate history

Issue no.	Date	Description of modification
Initial	2008-09-04	----
1	2015-05-12	Additional manufacturers specified



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

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The Issuing Authority

Dr. M. Rinker
Head of Working Group

12.05.2015

The OIML Member

Dr. R. Schwartz
Vice-President

12.05.2015

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 pattern – page 1 continued

Type details:

Q ₃	m ³ /h	2,5		4	
Q ₄	m ³ /h	3,125		5	
Q ₂ /Q ₁	---	1,6		1,6	
Length	mm	≥ 110	≥ 130	≥ 190	≥ 130
Nominal diameter	DN	15	20	15	20
Connection dimensions	---	G 3/4 B	G 1 B	G 3/4 B	G 1 B
Q ₁ (Orientation H)	m ³ /h	0,025 / 0,0312 0,0379 / 0,0625		0,040 / 0,050 0,0635 / 0,100	
Q ₁ (Orientation any)	m ³ /h	0,079		0,127	
Q ₂ (Orientation H)	m ³ /h	0,100 / 0,063 0,050 / 0,040		0,064 / 0,080 0,1016 / 0,160	
Q ₂ (Orientation any)	m ³ /h	0,127		0,203	
Q ₃ /Q ₁ (Orientation H)	---	40 / 63 80 / 100		40 / 63 80 / 100	
Q ₃ /Q ₁ (Orientation any)	---	31,5		31,5	
Minimum straight length of inlet pipe	mm	0			
Minimum straight length of outlet pipe	mm	0			
Flow conditioner	---	none			
Verification scale interval	ℓ	0,05 or 0,1 or 0,5			
Accuracy class	---	2			
Temperature class	---	T30			
Maximum admissible pressure	bar	16			
Maximum admissible temperature	°C	50			
Indicating range	m ³	99999			
Maximum pressure loss at Q ₃	bar	< 0,63			

Vertical body (upstream / downstream): length = 105 mm