

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate No.
R49/2006-DE1-12.02

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Zenner International GmbH & Co. KG
Address: Römerstadt 4
66121 Saarbrücken

Manufacturer of the certified type is the applicant.

Identification of the certified type Water meter intended for the metering of cold potable water
Multi jet meter with mechanical register
Type: MTK, MTK-S

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 2006) Metrological and technical requirements
R 49-2 (Edition 2006) Test methods
R 49-3 (Edition 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.

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

No. MTK Q3-2,5 8R MD CC	that includes 63 pages
No. MTK Q3-4 8R MD CC	that includes 63 pages
No. MTK Q3-2,5 5R CC	that includes 77 pages
No. MTK Q3-4 5R 45	that includes 77 pages
No. MTK Q3-4 5R CC	that includes 77 pages
No. MTK-S Q3-2,5 5R 45	that includes 77 pages
No. MTK-S Q3-2,5 8R MD	that includes 91 pages
No. MTK-S Q3-4 8R MD	that includes 203 pages

The Issuing Authority

Dr. G.Wendt
Head of Department

07.02.2012

The OIML Member

Dr. R. Schwartz
Head of Division

07.02.2012

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.

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Identification of the certified type - page 1 continued

Type details MTK, MTK-S

Q ₃	m ³ /h	2,5		4			
Q ₄	m ³ /h	3,125		5			
Q ₂ /Q ₁	--	1,6					
Orientation	--	H	any	H		any	
Q ₁	m ³ /h	0,025	0,080	0,025	0,400	0,100	0,0127
Q ₂	m ³ /h	0,040	0,127	0,040	0,064	0,160	0,200
Q ₃ /Q ₁	--	100	31,5	160	100	40	31,5
Body length	mm	110 or 165		165 or 190			
Nominal diameter	DN	15		20			
Connection type	--	G ¾ B		G 1 B			

Pressure loss class	0,63 bar
Pressure range	0,3 bar to 16 bar
Temperature range	0,1°C to 50°C
Accuracy class	± 2 % (Q ₂ ≤ Q ≤ Q ₄) Water temperature ≤ 30°C
	± 3 % (Q ₂ ≤ Q ≤ Q ₄) Water temperature > 30°C
	± 5 % (Q ₁ ≤ Q ≤ Q ₂)
Pressure range	0.3 bar to 16 bar
Environmental class:	B, C
Climatic environment	5°C to 55°C
Electromagnetic environment	not applicable (n/a)