Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R49/2006-DE1-10.01

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

Manufacturers:

ZENNER International
GmbH & Co KG
Römerstadt 4
66121 Saarbrücken
GERMANY

ZENNER International
GmbH & Co KG
Talstraße 2
09619 Mulda
GERMANY

ZENNER Bratislava Spol. s.r.o.
Výhonská 1
83106 Bratislava
SLOVAKIA

ZENNER do Brasil Instrumentos
de Medição Ltda.
Rua Bartolomeu de Gusmão.
2.444
Canudos – Nuovo Hamburgo RS
CEP: 93546-000
BRAZIL

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

R3-000036

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Identification of the certified type

Water meter intended for the metering of cold potable water
Type: RNK-RP, RNK-PR-N

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):

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 Report No.
PTB-1.5-4045275-a (50 pages) and Test Report No.
PTB-1.5-4045275-b (174 pages).

The Issuing Authority

Dr. Gudrun Wendt

03.03.2010

The CIML Member

Dr. R. Schwartz
Direktor und Professor

03.03.2010

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 pattern – page 1 continued

Metrology characteristics:

Q_3	m³/h	2,5	4
Q_4	m³/h	3,125	5
Q_2/Q_1		1.6	
Length	mm	≥ 110	≥ 165
Nominal diameter	DN	15	20
Thread		G 3/4 B	G 1 B
Q_1 orientation any	m³/h	0.0313 / 0.0156	0.050 / 0.025 / 0.020
Q_2 orientation any	m³/h	0.050 / 0.025	0.080 / 0.040 / 0.032
Q_3/Q_1 orientation any		80 / 160	80 / 160 / 200
Maximum pressure loss	bar	< 0,63	
Verification scale interval	l	0,02	
Maximum admissible pressure	bar	16	
Maximum admissible temperature	°C	50	
Minimum straight length of inlet / outlet pipe	mm	0	
Flow conditioner	---	none	
Temperature class	---	T30	
Accuracy class	---	2	