



Member State of OIML
Germany



OIML Certificate No.
R49/2013-DE1-16.03

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
GERMANY

Manufacturers:

ZENNER International GmbH & Co. KG Talstraße 2 09619 Mulda GERMANY	ZENNER FUZHOU Water Meters Co. Ltd. Building 14 Juyuanzhou Jinshan Industrial Zone 350008 Fuzhou PR CHINA
ZENNER do Brasil Instrumentos de Medicao Ltda. Rua Bartololeu de Gusmão 2.444 Canudos – Novo Hamburgo RS CEP: 93546-000 BRAZIL	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
ZENNER Coma JVC. Construction Machinery Company 125D Minh Khai, Q Hai Ba Trung Hanoi VIETNAM	ZENNER Meters Ltd. 15 Dongxing Road Songjiang Industrial Zone 201613 Shanghai PR CHINA
ZENNER Aquamet India Pvt Ltd. 39-B, HSIDC Industrial Estate, Sec. 31 Faridabad – 121003 INDIA	

Identification of the certified type

Water meter intended for the metering of cold potable water and hot water
Roating piston meter with mechanical indicating device 8R MD or 7R MD.
Type: RTKD

Further characteristics see page 3



**OIML Certificate No.
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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 (2013) Metrological and technical requirements
R49-2 (2013) Test methods
R49-3 (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.

The conformity was established by the results of tests and examinations provided in the associated OIML Basic Type Evaluation Reports

RTKD Q3-6,3 7R MD	dated 29.04.2016	that includes 43 pages
RTKD Q3-10 8R MD	dated 29.04.2016	that includes 45 pages
RTKD-S Q3-4 190 MOD	dated 29.04.2016	that includes 85 pages

The Issuing Authority

The OIML Member

Dr. M. Rinker
Member of Certification Body

Dr. R. Schwartz
Vice President

29.04.2016

29.04.2016

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 RTKD

Q ₃	m ³ /h	6,3	10
Q ₄	m ³ /h	7,87	12,5
Q ₂ /Q ₁		1.6	
Body length	mm	≥ 260	
Nominal diameter	DN	≥ 25	≥ 32
Connection type		≥ G 1 ¼ B	≥ G 2 B
Q ₁ any orientation	m ³ /h	0,157 / 0,126 / 0,1 / 0,078 / 0,063 / 0,050 / 0,040 / 0,032	0,25 / 0,2 / 0,158 / 0,125 / 0,1 / 0,08 / 0,063 / 0,05 / 0,04 / 0,032
Q ₂ any orientation	m ³ /h	0,252 / 0,2 / 0,16 / 0,126 / 0,1 / 0,08 / 0,063 / 0,05	0,4 / 0,32 / 0,254 / 0,2 / 0,16 / 0,128 / 0,1 / 0,08 / 0,064 / 0,051
Q ₃ /Q ₁		40 / 50 / 63 / 80 / 100 / 125 / 160 / 200	40 / 50 / 63 / 80 / 100 / 125 / 160 / 200 / 250 / 315
Pressure loss class	bar	ΔP 40	ΔP 63
Minimum scale interval	l	0.02	

Temperature class	T30 / T50
Accuracy class	± 2 % (Q ₂ ≤ Q ≤ Q ₄) für Water temperature ≤ 30°C
	± 3 % (Q ₂ ≤ Q ≤ Q ₄) für Water temperature > 30°C
	± 5 % (Q ₁ ≤ Q ≤ Q ₂)
Pressure range	0.3 bar bis 16 bar
Environmental class	B, C
Minimum straight length of inlet / outlet pipe	0mm / 0mm
Climatic environment	5°C bis 55°C
Electromagnetic environment	Not applicable

Typ RTKD

