

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate No.
R49/2006-DE1-15.01

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Endress + Hauser Flowtec AG
Address: Kägenstrasse 7
4153 Reinach BL 1
Schweiz

Manufacturer of the certified type is the applicant.

Identification of the certified type

Water Meter
Electromagnetic flow meter with electronic register
Type: Promag W400

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. PTB-1.5-4073049 that includes 85 pages

The Issuing Authority

Dr. G. Wendt
Head of Department

13.01.2015

The OIML Member

Dr. R. Schwartz
Vice-President

13.01.2015

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.

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OIML Certificate No.
R49/2006-DE1-15.01

Identification of the certified type - page 1 continued

Type details Promag W400

Nominal Diameter	Q ₃ [m ³ /h]	Q ₃ / Q ₁	Q ₂ / Q ₁	Q ₄ / Q ₃
DN25	16	160	1,6	1,25
DN32	25			
DN40	40			
DN50	63			
DN65	100	200		
DN80	160			
DN100	250			
DN125	400			
DN150	630	250		
DN200	1000			
DN250	1600			
DN300	2500			
DN350				
DN375	4000			
DN400				
DN450				
DN500	6300		160	
DN600			125	
DN700		100		
DN750				
DN800				

The meter consists of a transmitter and a sensor. Two versions are available:

- Compact version: transmitter and sensor form a single mechanical unit,
- Remote version: transmitter and sensor are installed separately.

Accuracy class:	2
Temperature class:	T50
Environmental class:	B, C and I
Electromagnetic environment:	E2 (industrial use)
Maximum admissible temperature:	+50 °C
Maximum admissible pressure:	5,1 MPa (51 bar)
Orientation:	H and V (horizontal and vertical)
Minimum straight length of inlet pipe:	5 x DN
Minimum straight length of outlet pipe:	2 x DN
Power supply:	
Mains AC:	100...240 V AC, 50...60 Hz
Mains DC:	24 V AC, 50...60 Hz
	24 V DC