Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R49/2003-DE1-06.01
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	Severn Trent Metering Services Ltd. Smeckley Wood Close
Address:	Chesterfield Trading Estate, S41 9PZ Chesterfield United Kingdom

Manufacturer of the certified type is the applicant.

Identification of the certified type	Water meter intended for the metering of cold potable water Type: SM 150, SM 250 Series
	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 (2003): Metrological and technical requirements
R49-2 (2004): Test methods
R49-3 (2004): 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.

R3-000036

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The conformity was established by the results of tests and examinations provided in the associated Report No. PTB-1.5-4025664 (94 pages).

The Issuing Authority	**The CIML Member**
Dr. Gudrun Wendt	Dr. Roman Schwartz
Head of Department Liquid flow	Head of Division Mechanics and Acoustics
24.07.2007	24.07.2007

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:

Model	**SM150**			**SM250**	
Nominal diameter DN (mm)	20			25	
Q_3 (m^3/h)	2.5			4.0	
Q_4 (m^3/h)	3.125			5.0	
Q_2/Q_1	1.6			1.6	
Q_1 (m^3/h)	0.0156	0.0125	0.010	0.020	0.025
Q_2 (m^3/h)	0.025	0.020	0.016	0.032	0.040
Q_3/Q_1	160	200	250	200	160
Lenght (mm)	110			190	
thread	G ¾" B			G 1" B	

Verification scale interval (m^3)	0.00001
Accuracy Class	2
Temperature Class	T30
Maximum admissible pressure (bar)	16
Maximum admissible temperature (°C)	30
Environmental Class	B and C
Electromagnetic environment	Residential, Commercial and Light industrial use

Installation details:

Connection type	Screw thread
Minimum straight length of outlet pipe	0 mm
Minimum straight length of inlet pipe	0 mm
Flow conditioner	none
Orientation limitations	none