Federal Office of Metrology METAS
Certification Body METAS-Cert

Member State Switzerland

OIML Certificate No R49/2006-CH1-07.05 Revision 1

# **OIML CERTIFICATE OF CONFORMITY**

Issuing authority

Name Federal Office of Metrology METAS

Certification Body METAS-Cert

Address METAS, Lindenweg 50, CH-3003 Bern-Wabern

Person responsible Jürg Ramseyer, Head of METAS-Cert

**Applicant** 

Name E.WEHRLE GmbH

Address Obertalstrasse 8, D – 78120 Furtwangen

Manufacturer The manufacturer of the certified pattern is the Applicant

Identification of the certified pattern

Concentric multi-jet impeller meter intended for the

metering of cold and hot water (T30/T90)

Type Messkapsel Vario S, Messkapsel Data, MTK-OZ IE, MTW-

OZ IE, MTK-OZ MOE, MTW-OZ MOE, MTK-OZ MOC, MTW-OZ MOC, MTK-OZ MT, MTW-OZ MT, MTK-OZ SP, MTW-OZ

SP, MTK-OZ AU, MTW-OZ AU

For further characteristics see page 3.

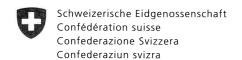
This Certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 49-1, edition 2006

for accuracy class 2

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 135-10737 that includes 32 pages

The Issuing Authority

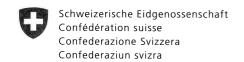
The CIML Member

Jürg Ramseyer, Head of METAS-Cert

Dr. Philippe Richard

CH-3003 Bern-Wabern, 05 July 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 the associated Test Report is not permitted, although either may be reproduced in full.



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#### 1 Description of the type

The meter is a concentric multi-jet impeller meter with several threading. The measuring sensor and the register are tightly interconnected to prevent any unauthorized opening and manipulation of the meter.

#### 2 Technical specifications

Permanent flowrate Q<sub>3</sub>:

2.5 or 1.6

Nominal pressure:

1.6 MPa

Measuring range:

Q<sub>3</sub> 2.5: R80 H, R63 H, R50 V/H, R40 V/H,

R31.5 V/H, R 25 V/H, R 10 V/H

Q<sub>3</sub> 1.6: R40 H, R31.5 V/H, R25 V/H, R10 V/H

Mounting:

Horizontal (H), vertical (V) and over head

Pressure loss Class  $\Delta P$ :

Q<sub>3</sub> 2.5: 0.63, Q<sub>3</sub> 1.6: 0.4

Threaded connector:

Concentric manifolds with several threading

Temperature range:

0.1 to 90 °C

Durability:

12 years (standard installation conditions)

Environmental conditions:

Class B

Flow profile sensitivity class:

U0/D0