



**Member State**  
**Switzerland**

**OIML Certificate**  
**No R49/2006-CH1-07.05**

## 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*

*Type* **Concentric multi-jet impeller meter intended for the  
metering of cold and hot water (T30/T90)**  
**Messkapsel Vario S 2" and Messkapsel data 2"**  
**MTK-OZX IE, MTW-OZX IE**

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.



**OIML Certificate  
No R49/2006-CH1-07.05**

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 OIML Member**

Jürg Ramseyer, Head of METAS-Cert

Dr. Bruno Vaucher

CH-3003 Bern-Wabern, 14 November 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 the associated Test Report is not permitted, although either may be reproduced in full.



## OIML Certificate No R49/2006-CH1-07.05

### 1 Description of the type

The meter is a concentric multi-jet impeller meter with threading of 2". The measuring sensor and the register are tightly interconnected to prevent any unauthorized opening and manipulation of the meter.

### 2 Technical specifications

Permanent flowrate $Q_3$ :	2.5 or 1.6
Nominal pressure:	1.6 MPa
Measuring range:	$Q_3$ 2.5: R80 H, R63 H, R50 V/H, R40 V/H, R31.5 V/H, R 25 V/H, R 10 V/H $Q_3$ 1.6: R40 H, R31.5 V/H, R25 V/H
Mounting:	Horizontal (H) and vertical (V)
Pressure loss Class $\Delta P$ :	$Q_3$ 2.5: 0.63, $Q_3$ 1.6: 0.4
Threaded connector:	Concentric manifold 2"
Temperature range:	0.1 to 90 °C
Durability:	12 years (standard installation conditions)
Environmental conditions:	Class B
Flow profile sensitivity class:	U0/D0