



Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R49/2006-GB1-10.04

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**
Address: **Stanton Avenue**
Teddington
Middlesex
TW11 0JZ
United Kingdom

Person responsible: **Paul Dixon - Product Certification Manager**

Applicant

Name: **Elster Metering Limited**
Address: **Pondwicks Road**
Luton
Bedfordshire, LU1 3LJ
United Kingdom

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

Family of cold-water meters utilising a common, volumetric measuring element, with a nominal capacity of 5.5 revs/litre and having a rated permanent flowrate Q3 of 10 m³/h. Further characteristics see page 2

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML:	R49
Edition:	2006 (E)
Accuracy class:	2

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report M064405-R49s having 64 pages and the associated pattern evaluation checklist P00461.

Issuing authority

CIML member




Mr P R Dixon
for NWML

Mr P Mason

Date 27th July 2010

Ref: TS02/0003

Characteristics:

Model Name	Q ₃ /Q ₁ (R)				
	250	200	160	100	80
V100, V200	✓	✓	✓	✓	✓

Table 2 Related flowrates according to each Q3/Q1 designation

Q ₃ /Q ₁ (R)	250	200	160	100	80
Q ₂ /Q ₁	1.6	1.6	1.6	1.6	1.6
Q1 Minimum flowrate (m3/h)	0.0400	0.0500	0.0625	0.1000	0.1250
Q2 Transitional flowrate (m3/h)	0.0640	0.0800	0.1000	0.1600	0.2000
Q3 Permanent flowrate (m3/h)	10	10	10	10	10
Q4 Overload flowrate (m3/h)	12.5	12.5	12.5	12.5	12.5

Measuring principle: Semi-positive displacement meter (5.5 revs/litre)
 Accuracy Class: 2
 Environmental class: T30 (MAT)
 Electromagnetic environment: N/A
 Maximum admissible temperature: 30 °C
 Maximum admissible pressure: 1.6 Mpa (16 bar)
 Orientation requirements: None

Installation details

Connection type
 (flange, screw thread, concentric manifold): V100, V200
 Minimum straight length of inlet pipe: non specified
 Minimum straight length of outlet pipe: non specified
 Flow conditioner (details if required): This type of meter is not susceptible to flow disturbances

Mounting

Orientation: Can be installed in any position

Other relevant information:

V200

Inductive pointer and sensor unit (optional)

The meter register is equipped with a metallic pointer on the first element of the verification scale. Two bosses and two holes on the shroud enable the option of an inductive sensor to be fitted to the meter shroud.

Reed switch sensor (optional)

The meter register is equipped with a magnetic pointer on the first element of the verification scale. The reed switch sensor is fitted to the meter shroud.

V100

Reed switch sensor (optional)

The meter register is equipped with a magnet on the first element of the verification scale. The reed switch sensor is fitted in a pocket within the meter housing, in close proximity to the magnet.

Important note: Apart from the mention of the certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.