



OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Centro Español de Metrología
Address: Calle del Alfar 2
28760 Tres Cantos
Spain
Person responsible: Agustín Falcón, Head of Operations I division

Applicant

Name: Elster Medición, S.A.
Address: Calle Velázquez 31, 4º left
28001 Madrid
Spain

Manufacturer of the certified type is the applicant and:

Name: Compañía Colombiana de Medidores Tavira S.A. Coltavira
Address: Calle 12 A N° 44-37
Bogotá DC
Colombia
Name: Elster s.r.o.
Address: Nám. Dr. A. Schweitzera, 194
91601 Stará Turá
Slovakia

Identification of the certified type

Water meter family intended for the metering of cold potable water
Type: S220 Q₃ 2,5 and S220 Q₃ 4

Further characteristics see page 3

This Certificate attests the conformity of the above-mentioned 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 49-1/2006(E): *Metrological and technical requirements*
R 49-2/2006(E): *Test methods*
R 49-3/2006(E): *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 formal or legal international approval.

The conformity was established by the results of test and examinations provided in the associated Test Report:

No. IT-101433001 that includes 114 pages.


The Issuing Authority ES1



Dr. Fernando Ferrer Margalef,
Director of CEM



The OIML Member



Dr. Fernando Ferrer Margalef,

Date: Tres Cantos, 12 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 of the associated Test Report is not permitted, although either may be reproduced in full.

Identification of the certified pattern – continued from page 1

Water meters family intended for metering cold potable water, based on a mechanical principle (single jet, inferential rotor), not designed to measure reverse flow.

Metrological characteristics S220 Q₃ 2,5:

| | | |
|---------------------------------|---|-------------------------|
| Q_3 : | 2,500 m ³ /h | |
| Q_4 : | 3,125 m ³ /h | |
| Q_2/Q_1 : | 1,6 | |
| Q_1 : | 0,010 m ³ /h | 0,025 m ³ /h |
| Q_2 : | 0,016 m ³ /h | 0,030 m ³ /h |
| Q_3/Q_1 : | 250 Horizontal | 100 Vertical |
| Lengths/mm: | 100 – 110 – 115 – 130 – 165 – 170 – 190 | |
| Threads: | G ½" A, G ¾" A, G 7/8" A, G 1" A | |
| Accuracy Class: | 2 | |
| Temperature Class: | T30 | |
| Environmental Class: | n/a | |
| Maximum admissible pressure: | 1,6 MPa (16 bar) | |
| Maximum admissible temperature: | 30 °C | |
| Indicating range: | 99999 m ³ | |
| Verification scale interval: | 0,00005 m ³ | |



Metrological characteristics S220 Q₃ 4:

| | | |
|---------------------------------|---|-------------------------|
| Q_3 : | 4,000 m ³ /h | |
| Q_4 : | 5,000 m ³ /h | |
| Q_2/Q_1 : | 1,6 | |
| Q_1 : | 0,016 m ³ /h | 0,040 m ³ /h |
| Q_2 : | 0,0256 m ³ /h | 0,064 m ³ /h |
| Q_3/Q_1 : | 250 Horizontal | 100 Vertical |
| Lengths/mm: | 100 – 110 – 115 – 130 – 165 – 170 – 190 | |
| Threads: | G ½" A, G ¾" A, G 7/8" A, G 1" A | |
| Accuracy Class: | 2 | |
| Temperature Class: | T30 | |
| Environmental Class: | n/a | |
| Maximum admissible pressure: | 1,6 MPa (16 bar) | |
| Maximum admissible temperature: | 30 °C | |
| Indicating range: | 99999 m ³ | |
| Verification scale interval: | 0,00005 m ³ | |

Installation details S220 Q₃ 2,5 and S220 Q₃ 4:

| | |
|---|---------------|
| Connection type: | Screw threads |
| Minimum straight length of inlet pipe: | 0 mm |
| Minimum straight length of outlet pipe: | 0 mm |
| Flow conditioner: | None |
| Orientation limitations: | None |

