

OIML Member State
The Netherlands

Number R49/2013-NL1-16.03
Project number 15200444
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Issuing authority
Person responsible: NMI Certin B.V.
C. Oosterman

Applicant and
Manufacturer: Euromag International S.r.l.
Via Torino 3
35035 Mestrino (PD)
Italy

Identification of the
certified type: An electromagnetic **water meter**
Type: MUT2300 with electronic converter MC406

Characteristics: See page 2 and further

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R49-1 (2013) "Water meters intended for the metering of cold potable water and hot water"

Accuracy class: 2

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

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 and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority: **NMI Certin B.V., OIML Issuing Authority NL1**
31 March 2016


C. Oosterman
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMI Certin B.V. as Issuing Authority can be verified at www.oiml.org

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMI (see www.nmi.nl).



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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMI-15200444-01 dated 31 March 2016 that includes 39 pages;
- No. 150701670/ Euromag DN 50/ MC 406 dated 30 March 2016 that includes 42 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.
Table 2 gives an overview of the general characteristics of the family of instruments.
The construction of the measuring instrument is recorded in the Documentation folder no. T10713-1.

Table 1 General characteristics

Measuring principle	Electromagnetic
Accuracy class	2
Environmental class	M1 / O (installed outdoors)
Electromagnetic environment	E2
Temperature range ambient	-25 °C / +55 °C
Water temperature class	T30 (+0,1 °C / +30 °C)
Maximum admissible pressure (MAP)	1,6 MPa (16 bar)
Orientation	All positions (Horizontal, vertical or diagonal)
Flow profile sensitivity class	U0 and D0 (0 x DN upstream and 0 x DN downstream)
Reverse flow	The water meter is designed to measure reverse flow
Pressure loss class	Δp 25 (0,25 bar)
Power supply	Replaceable battery (2,9 – 3,7 V)
Software identification	Software 'Bootloader': Version : 01.00 Checksum: 63A2EDED Software 'Legally relevant firmware': Version : 01.05 Checksum: CAA8A4C7



OIML Certificate of Conformity

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Table 2 General characteristics of the family of instruments

Meter size	Ø in- and outlet [mm]	Flow rates [m ³ /h]				Ratio Q3/Q1
		Minimum Q1	Transitional Q2	Permanent Q3	Overload Q4	
DN50	50	0,125	0,2	25	31,25	200
DN65	65	0,2	0,32	40	50	200

Table 3 General characteristics of the indicating device

Meter size	Indicating range [m ³]	Verification scale interval [m ³]
DN50	9 999 999	0,0001
DN65	9 999 999	0,001