

**OIML Member State**  
The Netherlands

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Project number 3930071  
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Issuing authority NMI Certin B.V.  
Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer Schneider Electric Systems USA, Inc.  
70 Mechanic Street  
Foxborough, MA02035  
United States of America

Identification of the certified type An **electromagnetic meter** intended to be used as a part of a measuring system.  
Type: xx00A ; xx00A + IMT33Ay\*  
\*) With xx being 84, 85, 95, 96, or 97 and with y being 4, H, or N.

Characteristics See following page(s)

This OIML Certificate is issued under scheme A.

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):

**R 117-1: 2007** "Dynamic measuring systems for liquids other than water"

Accuracy class 0.3 / 0.5

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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**  
20 January 2026

Certification Board

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

- CPC-409580-6 dated 21 April 2006 that includes 125 pages.
- CPC-608565-1 dated 26 February 2008 that includes 43 pages.
- CPC-610959-1 dated 21 March 2008 that includes 83 pages.
- NMI-13200264-1 dated 22 May 2013 that includes 51 pages.
- NMI-16200700-01 dated 22 March 2017 that includes 19 pages.
- NMI-3646821-01 dated 10 November 2023 that includes 34 pages.

### Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented. The construction of the measuring instrument is recorded in the documentation folder number TC13160-1.

**Table 1 General characteristics**

Minimum – maximum flow rate	See Table 2
Minimum measured quantity	See Table 2
Maximum pressure	10 bar(g)
Environmental classes	M1 / E2
Ambient temperature range	-25 °C / +55 °C; condensing humidity
Product temperature range	-5 °C / +35 °C
Destined for the measurement of	Liquid food and chemical products in liquid state, with a minimum conductivity of 20 $\mu$ S/cm
Intended for the measurement of	<ul style="list-style-type: none"> <li>- Measuring systems on pipelines and loading of ships</li> <li>- Measuring systems on road tankers for liquids of low viscosity</li> <li>- Measuring systems for the unloading of ships' tanks and rail and road tankers</li> <li>- Measuring systems for milk, beer, and other foaming liquids</li> <li>- Measuring systems for loading ships</li> </ul>
Power supply voltage	Available are: <ul style="list-style-type: none"> <li>- 100 - 230 VAC, 50/60 Hz</li> <li>- 12 - 24 VDC (grounding mandatory)</li> <li>- 24 V AC/DC (grounding mandatory)</li> </ul>
Software identification	See Table 3

In Table 2 the characteristics of the family of instruments are presented.

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**Table 2 Characteristics of the family of instruments**

Meter size	Qmin	Qmax	MMQ	Accuracy class
	[m <sup>3</sup> /h]	[m <sup>3</sup> /h]	[m <sup>3</sup> ]	
DN15 <sup>[1]</sup>	0,27	5,4	0,002	0,5
DN15 <sup>[2]</sup>	0,15	5,4	0,002	
DN25	1	20	0,01	0,3
DN32	1,5625	31,25	0,5	
DN40	1,5625	31,25	0,5	
DN50	2,5	50	0,5	
DN65	6,25	125	2	
DN80	10	200	2	
DN100	15,625	312,5	2	
DN125	25	500	5	
DN150	25	500	5	
DN200	62,5	1250	10	
DN250	100	2000	20	
DN300	156,25	3125	50	
DN350	156,25	3125	50	
DN400	250	5000	50	
DN450	250	5000	50	
DN500	787,5	7875	100	

**Table 3 Software specifications**

Electronic revision number	Identification	Software version	Checksum
3.4.0_	Sensor Electronic	2.2.1_00000004	7100 7100
	Main Software	3.0.6_00008547	38E8 38E8
	User Interface Software	3.4.0_20170106	5311 28AE
	IO2 (Exi IO configurations)	2.2.3_00008548	2207 2207
	IO2 (Modular IO and Modbus configurations)	2.2.3_00008549	8E6A 8E6A

<sup>[1]</sup> For types 8400A, 9600A, and 9700A  
<sup>[2]</sup> For type 8500A.

Electronic revision number	Identification	Software version	Checksum
3.4.1_	Sensor Electronic	2.2.1_00000004	7100 7100
	Main Software	3.0.7_00008684	E2D0 E2D0
	User Interface Software	3.4.0_20170106	5311 28AE
	IO2 (Exi IO configurations)	2.2.3_00008548	2207 2207
	IO2 (Modular IO and Modbus configurations)	2.2.3_00008549	8E6A 8E6A
3.4.2_	Sensor Electronic	2.2.1_00000004	7100 7100
	Main Software	3.0.7_00008684	E2D0 E2D0
	User Interface Software	3.4.1_20180411	6586 28AE
	IO2 (Exi IO configurations)	2.2.3_00008548	2207 2207
	IO2 (Modular IO and Modbus configurations)	2.2.3_00008549	8E6A 8E6A
3.4.11_	Sensor Electronic	2.2.1_00000004	7100 7100
	Main Software	3.0.7_00008684	E2D0 E2D0
	User Interface Software	3.4.1_20180411	6586 28AE
	IO2 (Exi IO configurations)	2.2.3_00008548	2207 2207
	IO2 (Modular IO and Modbus configurations)	2.2.3_00008549	8E6A 8E6A

### - Approved inputs and outputs

The output board(s) installed determine the possible outputs available.

The CG number details the electronics module and input/output variants, the CG number is built up as follows:

CG300 *ab xyz* with the following approved options for *ab xyz*

- *a*; approved options for power supply and virtual reference
  - 1: 100...230VAC + no option
  - 8: 12...24VDC + no option
  - G: 24VAC/DC + no option
- *b*; approved display languages
  - 1: Standard Display
  - A: Eastern Europe Display
  - B: Northern Europe Display
  - C: Southern Europe Display
- *x*; Approved input/output version
  - 1: Basic I/O module
  - 2: EXI I/O module (Active current output + passive pulse output)
  - 3: EXI I/O module (Passive current output + passive pulse output)
  - 4: Modular I/O module

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- *y* and *z*; Approved 1<sup>st</sup>(*y*) and 2<sup>nd</sup>(*z*) optional input/output module
  - 0: No module possible
  - 2: EXI I/O module (Passive current output + passive pulse output / passive control input). When this module is used, the *z* position is unused
  - 8: No module placed
  - A: Current output (active)
  - B: Current output (passive)
  - C: Pulse output (active)
  - E: Pulse output (passive)

Remarks: The Hart® protocol is superimposed on the DC current signal and enables the water meter to communicate with other equipment.  
If pulses are used for the transmission of the measured volume to other equipment, the use of two pulse channels (also called double pulses) is mandatory. Both pulse channels must be shifted in phase

- The housing of the Signal Converter consists of:
  - Metallic housing (compact and remote version).  
Optionally the housing is explosion proof.
  - Plastic housing for wall mounting (only remote version possible).

### Production locations

The water meter is produced at one of the following production locations:

- KROHNE Altometer  
Kerkeplaat 12  
3313 LC Dordrecht  
The Netherlands
- KROHNE Measurement Technology (Shanghai) Co., Ltd.  
No. 555 Minshen Road, Songjiang Industrial Zone  
Shanghai 201612  
China
- KROHNE Marshall Pvt., Ltd.  
A-36, B-14, MIDC Estate, H-Block, Pimpri Colony, Pimpri-Chinchwad  
Maharashtra 411018  
India
- Conaut Controles Automaticos Ltda.  
Estrada Louis Pasteur, 382, Embu das Artes  
São Paulo 06835-701  
Brazil

### Certificate history:

Revision	Date	Description of the modification
0	20 January 2026	Initial issue