



OIML Certificate

OIML Member State
The Netherlands

Number R85/2008-A-NL1-25.01 revision 0
Project number 3866763
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Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Manufacturer Joyo M&C Technology Co., Ltd.
Room 008, 1F (2-3), Building 4, Ganluyuan
Chaoyang District, Beijing
China

Identification of the certified type An **automatic level gauge** (servo principle) with temperature and density displacer sensor
Manufacturer's mark: Joyo M&C Technology Co., Ltd.
Type: TM-80N

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 85-1&2: 2008 "Automatic level gauges for measuring the level of liquid in stationary storage tanks"

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**
13 May 2025

Certification Board

NMI Certin B.V.
Thijssseweg 11
2629 JA Delft
the Netherlands
T +31 88 636 2332
certin@nmi.nl
www.nmi.nl

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

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.





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

- No. NMI-3866763-01 dated 13 May 2025 that includes 25 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 no. R85-2008-A-NL1-25.01-1.

Table 1 General characteristics

Maximum measuring range level		50 metres
Ambient temperature range		-40 – +70 °C; condensing humidity
Liquid temperature range		-200 °C / +35 °C
Density displacer measuring range		600 – 1100 kg/m ³ at maximum viscosity of 5 mPa·s
Power supply voltage		Min 200 – Max 240 V AC; 50/60 Hz
Software identification		Version number: V50.8 Checksum: 31452
Data communication	Inputs	- HART
	Outputs	- Modbus - BPM - HART - 4-20 mA analog output

Certificate history:

Revision	Date	Description of the modification
Initial	13 May 2025	Initial issue