

OIML Member State
The Netherlands

Number R 85/2008-A-NL1-20.02
Project number 2491609
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Issuing authority
Person responsible: NMi Certin B.V.
M. Boudewijns

Applicant and
Manufacturer Endress+Hauser SE+Co. KG
Hauptstrasse 1
79689 Maulburg
Germany

Identification of the
certified type **A calculating and indicating device,**
intended for use as part of a liquid level gauge
Type: NRF81

Characteristics See page 2 and further

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.

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**
10 December 2020

Certification Board

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

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The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-16200591-05 dated 19 December 2016 that includes 19 pages.
- No. NMI-16200591-06 dated 19 December 2016 that includes 17 pages;
- No. NMI-2491609-01 dated 25 November 2020 that includes 52 pages;
- No. NMI-2491609-02 dated 25 November that includes 20 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. TC8909-3.

Table 1 General characteristics

Ambient temperature range	-40 – +70 °C; condensing humidity
Power supply voltage	- AC mains 100 ... 240V AC (-15% / +10%) @ 50/60Hz - AC mains 65 V AC (-20% / +15%) @ 50/60Hz - DC mains 24 ... 55 V DC (-20% / +15%)
Software identification	Version number 01.02.00 with checksum 0x02FE Version number 01.02.01 with checksum 0x0D3E Version number 01.03.03 with checksum 0x8D45 Version number 01.04.01 with checksum 0xfa7a