

Certificate



No.: 968/FSP 1146.02/22

Product tested	Tank Gauging Radar	Certificate holder	Endress+Hauser SE + Co. KG Hauptstraße 1 79689 Maulburg Germany
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Type designation	NMR8x [x = 1,4]
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Codes and standards	IEC 61508 Parts 1-7:2010 IEC 61010-1:2017 + Corr.1:2019	IEC 61326-3-2:2017
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Intended application	The devices comply with the requirements of Hardware Safety Integrity SIL 2 and Systematic Capability SC 3 acc. to IEC 61508 and can be used in applications up to SIL 2 (HFT=0) resp. SIL 3 (HFT=1) for following safety functions: - Safe detection of a level (min, max, range) within the measuring range, accuracy of $\pm 2\%$; - Safe current in measurement (min, max, range) within the measuring range, accuracy of $\pm 1\%$; with safe analogue and/or digital outputs.
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Specific requirements	The instructions of the associated Operating Manual and Safety Manual shall be considered.
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Valid until 2027-07-06

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1146.02/22 dated 2022-07-05.

This certificate is valid only for products which are identical with the product tested.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
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Am Grauen Stein, 51105 Köln

Köln, 2022-07-06

Certification Body Safety & Security for Automation & Grid

H. Miedl
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