

Certificate



No.: 968/FSP 1146.01/17

Product tested	Tank Gauging Radar	Certificate holder	Endress + Hauser GmbH + 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
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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 2022-07-03

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1146.01/17 dated 2017-07-03.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

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Köln, 2017-07-03

Certification Body Safety & Security for Automation & Grid

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