

The Rotative Measuring System A**100 with “TR-Explosion Protection Enclosure”

Type: AEV100, AOV100, AMV100, ARV100, APV100, AES100, AOS100, AMS100, ARS100, APS100
 Order-No.: A**100*_*****

was developed, designed and manufactured in accordance with the UK statutory instruments and their amendments:

The Electromagnetic Compatibility Regulations 2016	S.I. 2016 No. 1091
Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016	S.I. 2016 No. 1107
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012	S.I. 2012 No. 3032

under the sole responsibility of the manufacturer:

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The following designated standards were applied:

EN 61000-6-2:2005/AC:2005	Generic standards - Electromagnetic compatibility (EMC) Part 6-2: Immunity (industrial environment)
EN 61000-6-3:2007/A1:2011	Generic standards - Electromagnetic compatibility (EMC) Part 6-3: Emission (residential environment)
EN IEC 60079-0:2018	Explosive atmospheres Part 0: Equipment - General requirements
EN 60079-1:2014	Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
EN 60079-31:2014	Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Other applied standards:

DIN EN 60529: 2014	Degrees of protection provided by enclosures (IP code)
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The products are marked additionally with the following characteristics on the name plate:

Ex II 2G Ex db IIC T6...T4 Gb; Ex II 2D Ex tb IIIC T80 °C...T130 °C Db $-40\text{ °C} \leq T_a \leq +40 \dots +75\text{ °C}$
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The Type Examination Test was carried out by:

NB0637, IBExU Institut für Sicherheitstechnik GmbH,
 Fuchsmühlenweg 7,
 09599 Freiberg, GERMANY
 No. of the EU type-examination certificate: IBExU 17 ATEX 1042 X | 1

Trossingen, 11/09/2022



Mr. Klaus Tessari, CEO