



UK Declaration of Conformity

The Rotative Measuring Systems **A*V70 and AD*88** with “**TR-Explosion Protection Enclosure**” and functional safety

Type: AEV70, AM70, AOV70, ADV88, ADS88
 Order-No.: A*V70*_*_*_*_*_*_*, ADV88*_*_*_*_*_*_*, ADS88*_*_*_*_*_*_*_*

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

The Electromagnetic Compatibility Regulations 2016	S.I. 2016 No. 1091
The Supply of Machinery (Safety) Regulations 2008	S.I. 2008 No. 1597
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 with increased test standards: DIN EN 61326-3-1:2018	Generic standards - Electromagnetic compatibility (EMC) Immunity (industrial environment)
EN 61000-6-3:2007/A1:2011	Generic standards - Electromagnetic compatibility (EMC) Emission (residential environment)
EN 61800-5-2:2007	Adjustable speed electrical power drive systems Safety requirements - Functional
EN ISO 13849-1:2023	Safety of machinery - Safety-related parts of control systems General principles for design
EN 60204-1:2018 (in extracts)	Safety of machinery - Electrical equipment of machines General requirements
EN IEC 62061:2021	Safety of machinery - Functional safety of safety-related control systems
EN ISO 20607:2019	Safety of machinery - Instruction handbook - General drafting principles
EN IEC 60079-0:2018	Explosive atmospheres Equipment - General requirements
EN 60079-1:2014	Explosive atmospheres Equipment protection by flameproof enclosures "d"
EN 60079-31:2014	Explosive atmospheres 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 61508 Part 1-7:2011	Functional safety of electrical/electronic/programmable electronic safety-related systems
DIN EN 60529:2014	Degrees of protection provided by enclosures (IP code)

The products are marked additionally with the following characteristics on the name plate:

 II 2G Ex db IIC T6 Gb;  II 2D Ex tb IIIC T80°C Db
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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 11 ATEX 1125 X

The type examination and certification according to the machinery regulations as Logic Unit For Safety Functions was carried out by the UK Conformity Assessment Body:

NB2571, TUV Rheinland UK Ltd.,
Friars Gate (Third Floor),
1011 Stratford Road, Shirley, Solihull B90 4BN, United Kingdom
A*V70: No. of the type-examination certificate: 01/205U/5516.xx/xx (internal I_58 series)
AD*88: No. of the type-examination certificate: 01/205U/5518.xx/xx (internal 75 series)

Authorized to compile the technical file:

TR Electronic GmbH, Eglshalde 6, 78647 Trossingen, Germany

Trossingen, 04/23/2025



Mr. Klaus Tessari, CEO