

## EC- / EU-Declaration of Conformity

The Rotative Measuring System Series **ADV115 with Functional Safety and Explosion Protection Enclosure**

Type:               ADV115 + FS  
 Order-No.:        ADV115M-xxxxx

was developed, designed and manufactured to comply with the EU-Directives

Electromagnetic Compatibility (EMC)	<b>2014/30/EU</b>	(L 96/79)
Machinery Directive	<b>2006/42/EC</b>	(L 157/24)
Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX)	<b>2014/34/EU</b>	(L 96/309)
Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)	<b>2011/65/EU</b>	(L 174/88)

under the sole responsibility of

**TR Electronic GmbH**  
 Eglisshalde 6  
 D - 78647 Trossingen  
 Tel.:       +49 7425/228-0  
 Fax:       +49 7425/228-33  
 Germany

**The following harmonized standards were applied:**

EN 61000-6-2:2005/AC:2005 with increased test standards: DIN EN 61326-3-1:2018	Generic standards - Electromagnetic compatibility, Immunity (Industrial environments)
EN 61000-6-3:2007/A1:2011	Generic standards - Electromagnetic compatibility, Emissions (Commercial environments)
EN 61800-5-2:2007	Adjustable speed electrical power drive systems Safety requirements - Functional
EN ISO 13849-1:2015	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 Part 0: Equipment - General requirements
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 61508 Part 1-7:2011	Functional safety of electrical/electronic/programmable electronic safety-related systems
DIN EN IEC 60079-14:2021	Explosive atmospheres Part 14: Electrical installations design, selection and erection
DIN EN 60529:2014	Degrees of protection provided by enclosures (IP code)

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

 II 3D Ex tc IIIC T130°C Dc IP65
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The EU type examination and certification according to the EC machinery directive as Logic Unit For Safety Functions was carried out by the notified body:

**NB0035, TÜV Rheinland Industrie Service GmbH,**  
Alboinstr. 56,  
12103 Berlin  
Certificate-No.: 01/205/5518.00/16

**Authorized to compile the technical file:**

TR Electronic GmbH, Eglisshalde 6, 78647 Trossingen, Germany

Trossingen, 09/22/2023



Mr. Klaus Tessari, Business Management