



SALES ORDER NUMBER / YEAR: _____

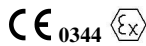
Declaration of Conformity and Special Instructions
Déclaration de conformité et instructions spéciales
Konformitätserklärung und besondere Anweisungen
Dichiarazione di conformità ed istruzioni speciali
Declaración de homologación e instrucciones especiales

The Equipment: **Endura ACA592 Conductivity Transmitter
Endura APA592 pH / Redox (ORP) Transmitter**

The Manufacturer: **ABB Inc.**
The Address of: **843 North Jefferson Street, Lewisburg WV 24901 USA**
The Conformity:

Directive **2004/108/EC** of December 15, 2004 (until April 19, 2016) and the recast Directive **2014/30/EU** of February 26, 2014 (after April 20, 2016) for Electromagnetic Compatibility (EMC); Industrial Environment, in accordance with the latest edition of the applicable conformity standard EN61326-1:2013;

Directive **94/9/EC** of March 23, 1994 (until April 19, 2016) and the recast Directive **2014/34/EU** of February 26, 2014 (after April 20, 2016) for Potentially Explosive Atmospheres (ATEX), concerning the technical rules and Type Examination certification, in accordance with the latest edition of the applicable conformity standards: EN60079-0:2012, EN60079-1:2014, EN60079-11:2012, and EN 60079-15:2010



II 1G/D; Ex ia IIC T4, EPL Ga/Da, EC Type Examination Certificate LCIE 11ATEX 3058X
II 2G/D; Ex d IIC T4, EPL Gb/Db, EC Type Examination Certificate LCIE 11ATEX 3057X
II 3G/D; Ex nA IIC T4, EPL Gc/Dc, Voluntary Type Examination Certificate LCIE 11ATEX 1005X

Notified Body 0081 responsible for Type Examination Certificate: LCIE Bureau Veritas 33 av. du Général Leclerc, 92260, Fontenay aux Roses – France

The equipment described herein is constructed in accordance with the principles of good engineering practices with regard to safety matters, and provides adequate protection against other hazards specific to the Essential Health and Safety Requirements for electrical equipment for measurement, control, and laboratory use in accordance with the applicable conformity standard EN 61010-1:2010;

The Declaration of March 3, 2016:

The manufacturer hereby declares that the process control equipment described herein is intended for use in a potentially explosive atmosphere and the object of the declaration is in conformity with the relevant Union harmonization Legislation for the Directives set forth. Furthermore. The manufacturer attests that this equipment aligns with the New Legislative Framework (NLF) and satisfies the necessary requirements for equipment marking CE.

F. Scott Kiddle, Compliance Officer and “Authorized Person” for ABB Inc. – Lewisburg



The User Is Responsible For Ensuring The Special Conditions For Safe Use:

The installer shall be responsible for ensuring a quality electrical supply to the equipment. Natural lightning strikes, fast high voltage transients, low voltage conditions, or an unstable line voltage frequency may cause instrument performance degradation, function loss, or damage to the equipment. The manufacturer recommends that the installation include a suitable surge suppressor to protect the equipment, and that the user provides an instrument grade intrinsically safe supply power that is free from potential electrical supply problems. The equipment is not susceptible to radio frequency when properly installed in a Class A industrial or Class B commercial environment. Assurance of electromagnetic compatibility for the complete system is by isolating the equipment from any potentially hazardous interconnected device.

The safety of the equipment relies on the provision of proper operation when used in a potentially explosive atmosphere. The temperature code T4 (135°C) corresponds with the ambient temperature range from -20°C to +60°C. The electrical installation of the equipment in a hazardous area shall be in accordance with the applicable standard EN/IEC60079-14. The installer shall be responsible for ensuring that all connections to the equipment are approved for the area classification. The equipment is not intended for below surface mining applications. The equipment should not be operated in a hazardous area without special permission from the local inspection authority having jurisdiction.

Zone 0 and Zone 20 area: The apparatus must only be combined with an associated intrinsically safe certified apparatus and must be compatible as far as intrinsic safety is concerned. Electrical parameters for the supply circuit are:

Intrinsic Safety Electrical Parameters	Supply circuit	Output circuit
Maximum voltage	$U_i = 30 \text{ V}$	$U_o = 11.8 \text{ V}$
Maximum current	$I_i = 160 \text{ mA}$	$I_o = 5 \text{ mA}$
Maximum power	$P_i = 0.8 \text{ W}$	$P_o = 15 \text{ mW}$
Maximum capacitance	$C_i = 5 \text{ nF}$	$C_o = 1.45 \text{ uF}$
Maximum inductance	$L_i = 0.5 \text{ mH}$	$L_o = 1 \text{ H}$

Any modification affecting the essential health and safety requirements of the equipment, or the integrity of a type protection, shall be defined as substantial. The person conducting such modification shall be responsible for ensuring a unit verification and approval by a Notified Body. This controlled compliance document is subject to change without notice. Refer to the equipment manual for installation, operation, maintenance and service instructions.