



SAFETY DEVICES

Certificate of compliance In accordance with IEC 61508

SIL-INERIS 147043-B / 2014

The National Institute for Industrial Environment & Risks (INERIS - Institut National de l'Environnement Industriel et des Risques), a public organization, established by decree No.90-1089 of 7 December 1990, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr)

issues the present certificate for the following model:

Trade Mark : **INVENSYS FOXBORO ECKARDT**

Denomination: **LG01**

Manufacturer: **FOXBORO ECKARDT GmbH
Pragstr. 82
70333 STUTTGARTGERMANY**

Type: **LG01xxx1... or LG01xxx5...**

Applicant:
of the certificate: **FOXBORO ECKARDT GmbH**

Description : **Guided radar TDR level meter**

1. Functional safety

The safety function « **level meter** » has obtained the following classification
Safety Integrity Level : SIL 2

SFF (safe failure fraction)	94%
λ_{SD}	35
λ_{SU}	471 FIT
λ_{DD}	571 FIT
λ_{DU}	65 FIT
DC_D	87%
Mode commun retenu	0%
PFH (Probability of failure per hour)	65 FIT
Architecture	1oo1D

2. Configuration version

	Converter Board	Sensor Board	Exd Barrier (for ATEX application)
Hardware reference ¹	4000342401 k	4000357001 o	4000512701 h
Software reference	V 1.06.02	V 1.21.02.	/

3. Assessment

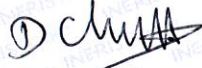
The assessment of the safety functions in accordance with IEC 61508 standard is consigned in the reports INERIS / DSC-14-147043-07229A.

4. Safety for use

Safety for use are described in the user guides ref AD EML3010 A-(en) - identification number on back page: 558 616 084 (safety manual) and HB EML3010 A-(en) - identification number on back page: 558 616 021 (handbook).

Verneuil-en-Halatte, 2014.07.08




The Chief Executive Officer of INERIS,
By delegation
Dominique CHARPENTIER
Certification Division,
Manager

¹ Hardware reference without potting