

960-0114-001

J

REVISIONS

LTR	DESCRIPTION	DATE	APVD
A	Original Release per C.O.6061	6/4/08	JH
B	Re-written per ISO/IEC 17050-1 requirements C.O.6477	8/11/10	CSK
C	Number 960-0114-001 was 940-0114-001 C.O.6485	8/23/10	CSK
D	Revised per C.O.6833	9/21/12	CSK
E	Revised per C.O.6918	4/24/13	CSK
F	Revised ATEX directive per C.O.7388	5/11/16	CSK
G	Revised EMC directive per C.O.7390	5/24/16	CSK
H	Revised per C.O.7643	8/1/18	CSK
J	Revised per C.O.7763	8/20/21	HM

RECORD OF REVISION STATUS OF EACH SHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
A	A	A	/																									
B	B	/																										
C	C	/																										
D	D	/																										
E	E	/																										
F	F	/																										
G	G	/																										
H	H	H	/																									
J	J	J	/																									

REGULATORY DOCUMENT

AI-TEK Instruments, LLC
CHESHIRE, CT USA 06410

APPROVALS

DATE

PREPARED	CS Kalley	8/10/10
CHECKED	CSKalley	8/11/10
DSGN ENGR	CSKalley	8/11/10
QUAL ENGR	CEGerard	8/11/10
MFG ENGR	ERuman	8/11/10

TITLE:

DECLARATION OF CONFORMITY

SIZE

A

CODE IDENT. NUMBER

1XP56

DWG. NO.

960-0114-001

SHEET 1 OF 2

SUPPLIER'S DECLARATION OF CONFORMITY

(in accordance with ISO/IEC 17050-1)

NUMBER – 960-0114-001

ISSUER'S NAME & ADDRESS: AI-TEK Instruments, LLC
 152 Knotter Drive, Cheshire, CT 06410 USA
 Telephone: (203)271-6000 FAX: (203)271-6200

OBJECT OF THE DECLARATION: Self generating variable reluctance speed sensors,
 models: 70085-1010-422* & 70085-1010-456*

*Proprietary

The object of the declaration described above is in conformity with the requirements of the following documents:

EN 60079-0:2018: Electrical apparatus for explosive gas atmospheres-
 General requirements

EN60079-1:2014: Equipment Protection by Flameproof Enclosure
 Type of Protection: 'd'

IEC 60079-0:2011: Explosive atmospheres – Part 0: General requirements

IEC 60079-1:2014-06: Explosive atmospheres – Part 1: Equipment protection by
 flameproof enclosures "d"

ATEX Directive 2014/34/EU

EMC Directive 2014/30/EU

REACH Regulation 1907/2006 current version of SVHC List

RoHS Directive 2011/65/EU current list of restricted substances

ADDITIONAL INFORMATION:

1. The flying leads shall be terminated in a suitable ATEX approved terminal enclosure when terminated in a classified (Zoned) area.
2. These devices shall only be installed in applications where the operating temperature is between -65°C and +95°C.
3. These sensors are considered to be inherently benign in the context of the EMC Directive 2014/30/EU, Article 2, paragraph 2 d (i).
4. These devices comply with the requirements of the above standards and the ATEX directive 2014/34/EU for use in a Category 2G area when installed in a non-incendive field circuit per AI-TEK Installation Instruction 960-0100-001. The component will be marked in compliance with the requirements.
5. These items do not contain any of the chemicals in concentrations greater than 0.1% w/w listed in the REACH list of SVHC's that is in effect as of this date.
6. These items are do not contain any of the materials, in concentrations greater than 0.1% w/w, that are on the RoHS list in effect as of this date.

SIZE A	CODE IDENT. NUMBER 1XP56	DWG NO.: 960-0114-001	REV J
			SHEET 2

CONTINUATION SHEET

The component will be marked in compliance with the requirements:

⊕ II 2 G
Ex db IIC T4 Gb
-65°C ≤ Tamb ≤ 95°C



Signed for and on behalf of:
AI-Tek Instruments, LLC
Cheshire, CT USA 20 August 2021

Howell Mullings, Product Engineer

SIZE A	CODE IDENT. NUMBER 1XP56	DWG NO.: 960-0114-001	REV J
			SHEET 3