

960-0139-001	A	REVISIONS			
		LTR	DESCRIPTION	DATE	APVD
		A	Original Release per C.O.7818	1/24/23	HRM

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	/																									

REGULATORY DOCUMENT				AI-TEK Instruments, LLC CHESHIRE, CT USA 06410			
APPROVALS			DATE	TITLE: DECLARATION OF CONFORMITY			
PREPARED	HMullings		1/24/23				
CHECKED	HMullings		1/24/23				
DSGN ENGR	HMullings		1/24/23				
QUAL ENGR	DSchiavo		5/25/23				
MFG ENGR	KCouture		5/25/23	SIZE A	CODE IDENT. NUMBER 1XP56	DWG. NO. 960-0139-001	
						SHEET 1 OF 3	

EU DECLARATION OF CONFORMITY

NUMBER – 960-0139-001

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: 70085-1010-600, -601, -602, -603, -604, -605, 606, -607, -608, -609, -610, -611, -612,
-613, -614, -615, 70085-101061030, -01061130, -101061230, -101061630, -101061730, -
101061830 & -101061930

This declaration of conformity is issued under the sole responsibility of the manufacturer.

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

EN 60079-7:2015+AI:2018: Electrical apparatus for potentially explosive atmospheres - Type of Protection: 'e'

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

IEC 60079-0:2017 Part 0 – General Requirements

IEC 60079-7:2015+AI:2017 Part 7 Type of Protection: 'e'


Notified Body: QAN: Intertek 2575
Intertek Italia S.p.A.
Via Miglioli, 2/A – 20063 Cernusco sul Naviglio, Milano – Italy

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ADDITIONAL INFORMATION:

1. A suitable conduit and fitting or cable gland, Ex certified to IP54 or better, must be used for the exit of the cable from the sensor.
2. The flying leads shall be terminated in a suitable Ex approved terminal enclosure when terminated in a classified (Zoned) area.
3. These devices shall only be installed in applications where the operating temperature is between -50°C and +175°C.
4. These sensors are considered to be inherently benign in the context of the EMC Directive 2014/30/EU Article 2, paragraph 2 d (i).
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 do not contain any of the materials, in concentrations greater than 0.1% w/w (Cd < 0.01% w/w), that are on the RoHS list in effect as of this date.

These devices comply with the requirements of the above standards and the ATEX directive 2014/34/EU for use in a Group II, Category 3G, Zone 2 area when installed per AI-TEK Installation Instruction 960-0140-001. The component will be marked in compliance with the following requirements:

	II 3 G Ex ec IIC T2 Gc Tamb: -50°C to +175°C ITS 09 ATEX 46246X	Ex ec IIC T2 Gc -50C ≤ Tamb ≤ 175°C IECEx ETL 15.0032X
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Signed for and on behalf of:
 AI-TEK INSTRUMENTS, LLC
 Cheshire, CT USA
 24 January 2023



Howell Mullings, Product Engineer

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