



# Certificate of Compliance

**Certificate:** 1128540 (LR 42648-12)

**Master Contract:** 214887

**Project:** 2325399

**Date Issued:** August 13, 2010

**Issued to:** AI-TEK Instruments, LLC

152 Knotter Dr  
Cheshire, CT 06410  
USA

Attention: Christina E. Gerard

*The products listed below are eligible to bear the CSA Mark shown*



*Richard Dibler Jr.*

**Issued by:** Richard Dibler Jr.

## **PRODUCTS**

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

**Class I, Groups A, B, C and D; Class II, Groups E, F and G:**

- Magnetic pickups, Part Nos AIRPAX/70085-1010-005, -327, -328, -413, -414-, -081, -329, -330, -411, -412, -422, -456, 70085-101008130, and -101032930. Output rated 95V rms (270V, P-P) max, 0.05A max, Temp Code T4A. Ambient temperature -15C to 95C.
- Zero velocity digital pickups, Part Nos AIRPAX/087-304-0036, -0038, N1611-010 and N1612-010 input rated 12V dc nominal (14V dc max), 0.07A Temp Code T4A.
- Zero velocity digital pickup, Part No Airpax/H1612-025, input rated 4.5V dc, 24V dc, 0.05A, Temp Code T4A.
- Speed Sensor, P/N's H1612-025, H1512-026, H1512-027, H1522-026, H1522-027, H1612-026, H1612-027, H1622-026, and H1622-027 rated 4.5 to 24 Vdc, 0.05 Amps maximum, Temperature range of -40C to 120C with a temperature code of T4A, Temperature range of -40C to 85C with a temperature code of T4.



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- Speed Sensor, P/N's RH1612-025, RH1512-026, RH1512-027, RH1522-026, RH1522-027, RH1612-026, RH1612-027, RH1622-026, and RH1622-027 rated 4.5 to 24 Vdc, 0.05 Amps maximum, Temperature range of -40C to 120C with a temperature code of T4A, Temperature range of -40C to 85C with a temperature code of T4.

### **APPLICABLE REQUIREMENTS**

CAN/CSA Standard C22.2 No. 0-M91 (Reaffirmed 2006) - General Requirements - Canadian Electrical Code, Part II

CSA Standard C22.2 No. 142-M1987 (Reaffirmed 2000) - Process Control Equipment CSA Standard C22.2 No. 25-1966 (Reaffirmed 2000) - Enclosures for Use in Class II Groups E, F, and G Hazardous Locations

CSA Standard C22.2 No. 30-M1986 (Reaffirmed 2003) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

### **MARKINGS**

The following markings are permanently stamped, electro-etched, laser engraved or rolled on the surface of the instrument:

- Manufacturer's name: "Ai-Tek Instruments", or CSA Master Contract Number "214887", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- The CSA Mark, as shown on the Certificate of Conformity.
- Hazardous Location designation, as specified in the PRODUCTS section, above (may be abbreviated).
- Temperature code: As specified in the PRODUCTS section, above. (May be marked as T3C)
- The following words:
  - o "SEAL REQUIRED WITHIN 18 INCHES", or suitable equivalent.
- Function of lead wires shall be marked on housing (identified by color).

*Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial*



CSA INTERNATIONAL

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*Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".*