EU DECLARATION OF CONFORMITY

Application of Council Directive(s):	2014/30/EU – The EMC Directive
Manufacturer's Name:	Axiomatic Technologies Corporation 1445 Courtneypark Drive E., Mississauga, ON, Canada, L5T 2E3
Equipment Type/Environment:	Datalogging Power Box
Trade Names/Model Nos:	AX181000, AX18100-01, AX181000-05, AX181000-03
Testing Facility:	Elite Electronics Engineering Inc. 1516 Centre Circle Downer's Grove, IL 60515 USA
File No.:	Self declaration based on Elite Electronic Engineering test report 2203471-02
Records Maintained by:	Axiomatic Technologies Corporation 1445 Courtneypark Drive E., Mississauga, ON, Canada, L5T 2E3. TEL: (+1) 905 602 9270 Unique ID No. – 56A

Standard(s) to which Conformity is Declared:

Emissions:

Thermocouple Inputs, CAN bus

- IEC 60533: 1999 (Table 3, Class B) Radiated Emissions (0.15 – 30 MHz: 80-50 dbuV/m; 30-100 MHz: 60-54 kbuV/m; 100-2000 MHz; 54 dbuV/m except 156-165MHz 24 dbuV/m)
- Conducted Emissions (10-150 kHz: 120-69 dbuV, 150-500 kHz: 79 dbuV, 0.5-30 MHz: 73 dbuV) Test set up and methods per:
- CISPR 16-1-1, Part 1: Radio disturbance and immunity measuring apparatus. 2010. Class A CISPR 16-1-2, Part 2: Methods of measurement of disturbance and immunity. 2009. Class A
- CISPR 16-1-4. 2010 CISPR 16-2-3. 2010

Power Supply, Microprocessor, CAN bus

- IEC 60533: 1999 (Table 2, Bridge and Deck Zones) Radiated Emissions (*10 kHz – 30 MHz) Conducted Emissions (150 kHz to 2,000 MHz)*

Analog Inputs, CAN bus

- CISPR 16-4-2: 2003 Specification for radio disturbance and immunity measuring apparatus and methods (Radiated Emissions) (Class B)
- CISPR 22: 2008-09/EN 55022:2010, Class B Information Technology Equipment – Radio Disturbance Characteristics (Conducted Emissions)

Immunity:

Thermocouple Inputs, CAN bus

- Conducted Susceptibility IEC 60533:1999 Table 4 and EN 61000-4-6 *Immunity to conducted disturbances, induced by radio-frequency fields*: 2009 Criteria A (150 kHz-80 MHz, 3 Vrms) Criteria A
- Radiated Susceptibility IEC 60533: 1999 Table 4 and EN 61000-4-3 *Radiated, radio-frequency, electromagnetic field immunity test*: 2010 (80 - 2,700 MHz; 10 V/m; 80% AM, 1kHz) Criteria A
- Conducted Low Frequency Interference per IEC 60533:1999 Table 4 and EN 61000-4-16 *Test for immunity to conducted, common mode disturbances in the frequency range 50 Hz to 10 kHz*: 2011 (2.8 Vrms, 0.05=10 kHz) Criteria B
- Electrical Fast Transients/Burst per IEC 60533:1999 Table 4 and EN 61000-4-4 *Electrical fast transient/burst immunity test*: 2004 (2 kV to power lines, 1kV to signal lines and communication lines, 300 s) Criteria B
- Slow Transient/Electrical Surge Test per IEC 60533:1999 Table 4 and EN 61000-4-5 *Surge immunity test*: 2006 (+/- 0.5 kV L/L, +/- 1 kV L/E) Criteria B
- Immunity to Electrostatic Discharge per IEC 60533:1999 Table 4 and EN 61000-4-2 *Electrostatic discharge immunity test*: 2009 (6kV contact discharge, 8kV air discharge) Criteria B

Power Supply, Microprocessor, CAN bus

- Conducted Susceptibility per EN 61000-4-6 *Immunity to conducted disturbances, induced by radiofrequency fields*: 2008 (150 kHz-80 MHz, 3 Vrms, 80% AM, 1kHz) , D/C Lines, I/O Lines & 10Vrms on spot frequencies, Criteria A
- Radiated Susceptibility per ENV 5204 and EN 61000-4-3 *Radiated, radio-frequency, electromagnetic field immunity test*: 2010 (80 - 2,500 MHz; 10 V/m; 80% AM, 1kHz), Criteria A
- Conducted Low Frequency Interference per EN 61000-4-16 *Test for immunity to conducted, common mode disturbances in the frequency range 50 Hz to 10 kHz*: 2011, Criteria A
- Electrical Fast Transients/Burst EN 61000-4-4 *Electrical fast transient/burst immunity test*: 2010 (2 kV to power lines, 1kV to signal lines), Criteria A
- Slow Transient/Electrical Surge Test per EN 61000-4-5 *Surge immunity test*: 2005 (+/- 0.5 kV L/L), Criteria A
- Immunity to Electrostatic Discharge per EN 61000-4-2 *Electrostatic discharge immunity test*: 2008 (6kV contact discharge, 8kV air discharge), Criteria A

Analog Inputs, CAN bus

- EN 61000-4-3: 2011 RF Radiated Immunity (10V/m, 80-1000 MHz, 3V/m, 1.4-2 GHz and 1 V/m, 2-2.7 GHz)
- EN 61000-4-6: 2009 Conducted Immunity (Level 3) (150 kHz – 80 MHz; 80% AM, 1 kHz)
- EN 61000-4-4: 2004 Electrical Fast Transients (Level 4, Criteria B)
- EN 61000-4-5:2006 Surge Immunity Test (L/L 0.5kV, L/E 1kV, Criteria B)
- EN 61000-4-2: 2009 Electrostatic Discharge Immunity Test (Level 4) (8kV contact discharge, 15kV air discharge)

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive and Standards.

x

Haaris Rehman
Product Compliance Analyst

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Axiomatic Technologies Corporation
1445 Courtneypark Drive E., Mississauga, Ontario Canada L5T 2E3
TEL: +1 (905) 602-9270 | FAX: +1 (905) 602-9279 | E-mail: sales@axiomatic.com
www.axiomatic.com