

# EC Declaration of Conformity

We:

**Manufacturer's Name:** Computational Systems, Inc. (CSI)

**Manufacturer's Address:** 835 Innovation Drive  
Knoxville, TN 37932  
USA

*declare under sole responsibility that the product:*

**Product Name:** Machinery Health Analyzer

**Model Number:** \*2130\*\*\*\*

*conforms to the following Directives:*

## EMC Directive 2004/108/EEC

All models

Applicable Standards: EN 61326-1: 2006  
EN 61326-2-3: 2006

## ATEX Directive 94/9/EC

Model numbers A21301Q, A21302Q, A2130D1-Q, B21300Q  
Type Examination Certificate Number: Baseefa11ATEX0109X  
Applicable Standards: EN 60079-0: 2009  
EN 60079-15: 2010

Marking appears as follows:



**Ex nA nC IIC T4 Gc (-10°C ≤ Ta ≤ +50°C)**

## Electrical Parameters:

Accelerometer Inputs – ACC

U <sub>o</sub> = 21VDC	U <sub>i</sub> = +/- 9V
I <sub>o</sub> = 2.9mA	I <sub>i</sub> = 156uA
C <sub>o</sub> = 0.1uf	C <sub>i</sub> = 0
L <sub>o</sub> = 1mH	L <sub>i</sub> = 0

Voltage / Tach Inputs – V / TACH:

U <sub>o</sub> = 21VDC	U <sub>i</sub> = +/- 21V
I <sub>o</sub> = 2.9mA	I <sub>i</sub> = 181uA
C <sub>o</sub> = 0.1uF	C <sub>i</sub> = 0uf
L <sub>o</sub> = 1mH	L <sub>i</sub> = 0mH

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## **Special Conditions of Safe Use**

Protective rubber boot must be installed and remain on the unit at all times while in a potentially hazardous location.

Screen protectors cannot be installed or used while unit is in a potentially hazardous location.

The accelerometer and tachometer connections must not be separated when energized in the hazardous area.

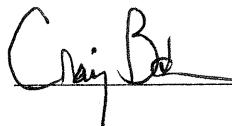
The CSI \*2130\* Machinery Health Analyzer must only be powered using CSI Battery Pack part No. D24974. The battery may only be charged and replaced in a non-hazardous area.

The SD Card, the DC Power, Ethernet and USB connections and the CPU reset located behind the covers on the bottom edge of the equipment must only be accessed and used in a non-hazardous area.

If any degradation of the screen (for example, discoloration or cracks) is observed the screen must be replaced.

## **ATEX Notified Body for EC type Examination Certificate**

Baseefa Limited (Notified Body Number 1180)  
Rochkead Business Park  
Staden Lane SK17 9RZ Buxton, United Kingdom



Craig Baker  
Manager, Quality Assurance/Quality Control  
Knoxville, Tennessee U.S.A.  
on 31 May, 2011

## **European Contact:**

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