

# KC3010X1-BA2 AI 16-CH 4-20mA HART Plus Card

## Hazardous Atmosphere



III 3G Ex ec IIC Gc  
II 3G Ex ec [ic] IIC Gc  
FM19ATEX0173U  
IECEX FMG 19.0019U  
FM21UKEX0017U



CL. I Div. 2 GP. A,B,C,D  
CL. 1 Zone 2 AEx/Ex ec IIC Gc  
CL. 1 Zone 2 AEx/Ex ec [ic] IIC Gc  
FM17US0286U  
FM17CA0145U

## Power Specifications

Local Bus Power	12 VDC at 150 mA
Bussed Field Power	24 VDC at 500 mA
Field Circuit	24 VDC at 30 mA/Ch.

## Environmental Specifications

Ambient Temperature	-40 °C to +70 °C
Shock	10 g half-sine wave for 11 ms
Vibration	1 mm peak to peak from 2 to 13.2 Hz; 0.7 g from 13.2 to 150 Hz
Airborne Contaminants	ISA-S71.04 –1985 Airborne Contaminants Class G3
Relative Humidity	5 to 95% Non-Condensing
Terminal block key position	A6

**Note:** Refer to the product label for serial number and location and date of manufacture.

**Warning:** This product has specific instructions for installation, removal and operation in hazardous areas. Refer to document 12P2046 "DeltaV™ Scalable Process System Zone 2 Installation

*Instructions*". Other installation instructions are available in the "DeltaV™ S-series and CHARMS Hardware Installation" manual.

## Removal and Insertion

Field power supplied to this device, either at the field terminal or as bussed field power through the Carrier, must be removed before removing or connecting the device.

An I/O loop assessment must be complete on all energy limited nodes.

This unit cannot be removed or inserted with system power energized.

A rotary keying system ensures compatibility between I/O cards and terminal blocks after installation is complete. The terminal block must have the keys set for the I/O card with which it is to be used.

## Maintenance and Adjustment

This unit contains no user serviceable parts and should not be disassembled for any reason. Calibration is not required.

## Other Safety Approvals

