

ADC311GX Two Input Arithmetic Unit

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Input 1: 4-20mA into 20 ohms input impedance.
Input 2: 5K ohms Conductive plastic or wire wound 3 wire potentiometer.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
Voltage source up to 10V. Max current 20mA

Equation

Input 2 = 5K, Output = Input 1 $\times$ 1
Input 2 = 750 ohms, Output = Input 1 $\times$ 0.75
Input 2 = 500 ohms, Output = Input 1 $\times$ 0.5

Isolation

1000V RMS Input/Output/Supply
Linearity $< \pm 0.1\%$

Environmental Conditions

Storage Temperature: -40°C to $+70^{\circ}\text{C}$
Operating Ambient: -15°C to $+55^{\circ}\text{C}$
Relative Humidity: 5% to 95% RH

Dimensions

50w x 75h x 110d (mm)

