

## ADC314 Three Input Summator

- Suitable for any process input(s)
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- AMELEC Standard 10 year warranty

### Environmental Conditions

Storage Temperature: -40 to 70°C  
Operating Ambient: -15 to 55°C  
Relative Humidity: 5 – 95% RH

### Typical Input(s)

Current: 4-20mA 20Ω  
Voltage 1-5Vdc 1MΩ

## Technical Specifications

### Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span. A mix of inputs acceptable, all sharing a common 0V

### Output

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

### Typical Outputs

Current 4-20mA max load 1200Ω  
Voltage 1-5Vdc min load 250Ω

### Equations

Unit can be configured to add, substrate or average.  
Individual zero and span controls allow the input(s) & output to be scaled

### Dimensions

152w x 81h x 137d (mm)

### Isolation

1000V RMS Input(s)/Output/Supply/Earth  
Linearity:  $< \pm 0.1\%$

