

# **ADC319 Sample & Hold Transmitter**

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process input
- Supply voltages: 115Vac ±20%

240Vac ±20% 24Vdc ±2.5V 48Vdc ±5V

- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

# **Technical Specifications**

#### Inputs

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span. Mixed inputs acceptable.

## **Output**

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

#### **Function**

The unit can be configured to go from Sample to Hold on either a contact open or close. The unit is based on digital electronics so there is no output droop on long periods of hold.

#### <u>Isolation</u>

1000 RMS. Inputs/Output/Supply Linearity <±0.1% of full span

### **Environmental Conditions**

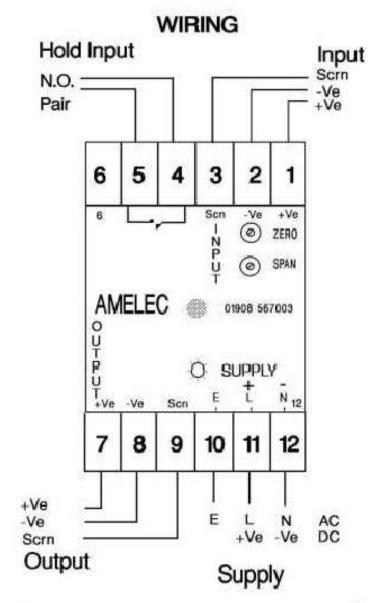
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95 RH

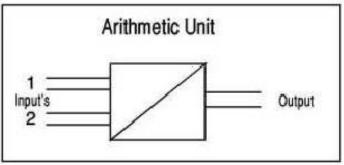
# Typical Input

Current:  $4 - 20mA 20\Omega$ Voltage:  $1 - 5Vdc 1M\Omega$ 

### Typical Output

Current: 4 - 20mA max load  $1200\Omega$ Voltage 1 - 5Vdc min load  $250\Omega$ 





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