

ADC319 Sample & Hold Transmitter

- 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

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.

Isolation

1000 RMS. Inputs/Output/Supply
Linearity $< \pm 0.1\%$ 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 20Ω
Voltage: 1- 5Vdc 1MΩ

Typical Output

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

