

## ADC353X Signal Converter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for flow applications where an external counting device totalises impulses or as a voltage/current to pulse transmitter.
- 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

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

#### Output

Either a pulse (24Vdc 30mS duration) or Open collector switch. Frequency can be specified in the range of 0.1Hz to 1Khz. Cut off factory set at 0.1% of span.

#### Calibration

Zero/Span controls to calibrate output frequency.  
Time control to set output pulse width between 7-12mS

#### Isolation

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

#### Environmental Conditions

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

#### Input Load / Output Drive

#### Typical Input

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

### WIRING

