

ADC353 Linear Integrator

- 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 contact closure ('R' Option) with a full scale in the range 50 to 50,000 counts per hour. Cut off factory set at 1% of span.

Isolation

1000 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 Ω
Voltage: 1– 5Vdc 1M Ω

Typical Output

0-1000 counts per hour, 24V amplitude 30mS wide
0-360 contact closures per hour (With R option)

WIRING

