

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 ±20%

240Vac ±20% 24Vdc ±2.5V 48Vdc ±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 <±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

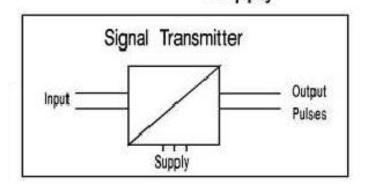
Current: $4 - 20mA 20\Omega$ Voltage: $1 - 5Vdc 1M\Omega$

Typical Output

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

Contact Closure (R option only) Input Scrn -Ve +Ve 6 Scn +Ve -Ve (o) ZER0 SPAN AMELEC 01908 567003 UTP T_{+Ve} N 12 E -Ve 10 8 9 11 12 +Ve -Ve +Ve -Ve DC Scrn Output Supply

WIRING



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