

ADC374X Flow Total Transmitter

- Supply voltage: 12Vdc / 24Vdc / 24Vdc
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)
- 12 bit High Resolution

APPLICATION

- Batch Counter Transmitter
- Analogue Pulse counter
- Ramp Generator

TECHNICAL SPECIFICATION

INPUT

Can be specified to accept contact closures, open collector, 5V pulses, 24V pulses, low level AC and high level AC signals.

Input Amplitude +/- 1 to 24V max

Frequency range 0 Hz to 2KHz.

OUTPUT

DC current or voltage specified in the range of:
Current up to +/- 21mA max. Voltage +/- 0.4 to +/- 12V maxes @ up to 10mA.

Typical output range: 4 - 20mA @ 12V max.

CONTROLS

Zero / Span: 15 turn potentiometer factory preset.

INDICATOR

POWER ON: LED, Amber

INPUT: LED, Green

RESET: LED, Red

PERFORMANCE

Resolution: 12bit Giving steps of +/- 0.025%/Span.

Accuracy: < +/- 0.1%

O/P Update: Real time

PROTECTION

Isolation 1000V RMS. Inputs/output/Supply

Internal Fuse.

Input over range up to typically 200%.

ADD ON / OPTIONS

DI: LCD display for local monitoring

J : Input injection jack socket

P: Test point

Non standard Power supply ranges available

ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 °C

Operating Ambient: -15 to +55 °C

Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Enclosure: 22.5w x 75h x 105d

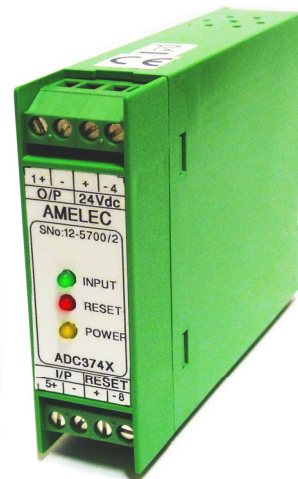
Mounting: Din rail

Weight < 200g

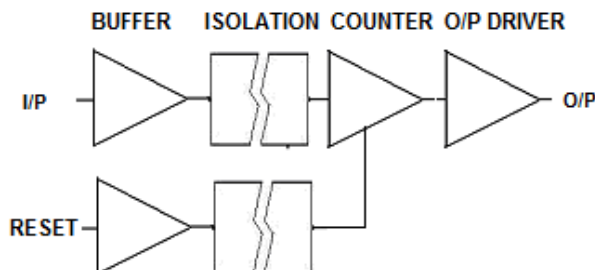
TERMINATION

OUTPUT +	1
OUTPUT -	2
+ SUPPLY	3
-SUPPLY	4
INPUT	5
INPUT	6
RESET	7
RESET	8

FRONT VIEW



FUNCTION BLOCK DIAGRAM

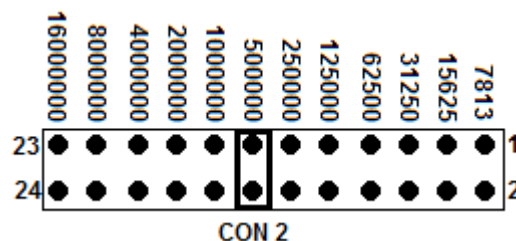


DIVIDER: OUTPUT=INPUT ÷ n

Decade divider: "n" any whole number in the range of 1 to 10.

Binary divider: 2,4,8,16,32,64,128,256,512,1024,2048 4096

RANGE SELECTION



Example: 0 - 500000 pulses for 0 - 100% Output,
output update every 125 input pulses, giving resolution
of 0.025%.