

# FAC-R1 FREQUENCY TO ANALOG CONVERTER

Ideal for converting your frequency output to analog.



## APPLICATIONS

The FAC-R1 Frequency to Analog Converter is ideal in any application when sending an analog signal to a PLC or other control system. It works with any frequency output sensor, such as flow meters, tachometers, pumps/motors, and linear or rotational encoders.

## FEATURES

- Full input frequency range 0.25Hz to 5,000Hz
- Analog output signal defaults to 4-20mA and 0-10V (0-5V, 1-5V & 2-10V available through the AW-Lake PC Toolkit)
- Excellent linearity, high temperature stability and long-term stability
- Powered by 10-28VDC
- 16-bit analog output resolution

## BENEFITS

### Setup Options

Choose from the AW-Lake PC Toolkit software or the local switches on the device to set your parameters.

### Economical

This device is a much better investment than a high-speed PLC counter card and eliminates the need for a multimeter.

### Linearizer

To improve output accuracy with some flow meters which are non-linear, a 10-point linearization table can be utilized through the PC Toolkit.

## TECHNICAL SPECIFICATIONS

### Supply Voltage Range

10-28Vdc

### Input Frequency

0.25Hz to 5KHz, 5V to 24V max amplitude

### Analog Output Options

4-20mA & 0-10V - Default  
0-5V, 1-5V & 2-10V - Available through PC Toolkit

### Standard Max Output

+2.5% of max scaling (20.5mA/5.125V /10.25V)

### Error Indication

+10% of max scaling (22mA/5.5V/11V)

### Analog Output Resolution

16 bit

### Analog Output Update Time

25mSec minimum

### Ambient Temperature

-40°F to 185°F (-40°C to 85°C)

## ACCESSORIES

### Cables

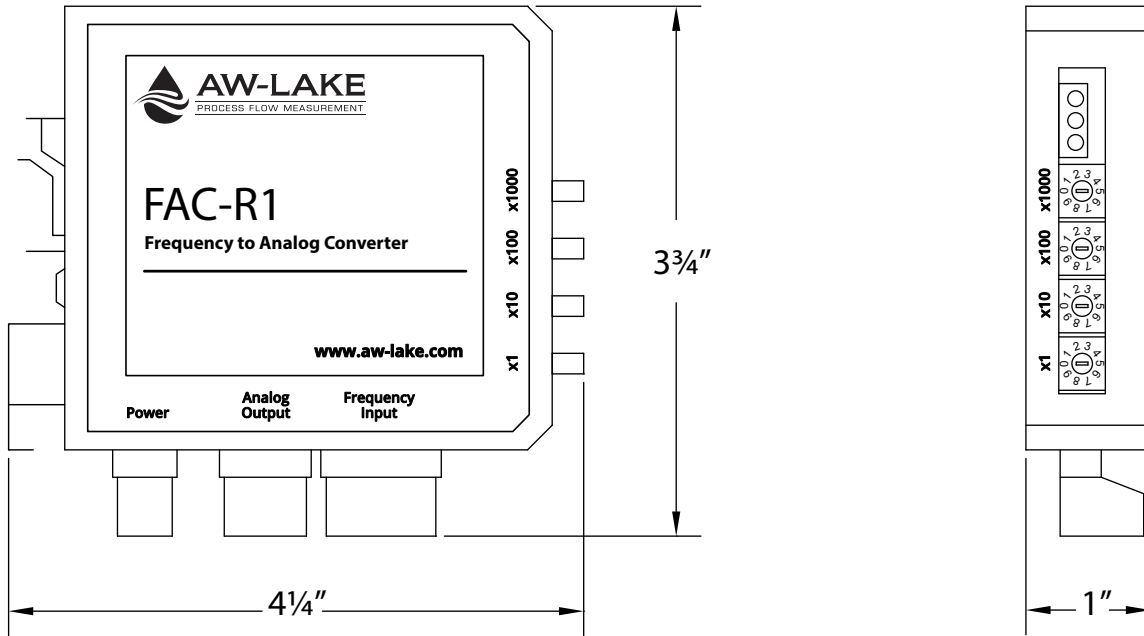
#### USB-SERIAL-4PIN

Used to connect unit to a PC to access the Toolkit for programming and setup.

# FAC-R FREQUENCY TO ANALOG CONVERTER

Ideal for converting your frequency output to analog.

## DIMENSIONS



Products may be subject to change without notice - Contact factory for the most up-to-date product information.