

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

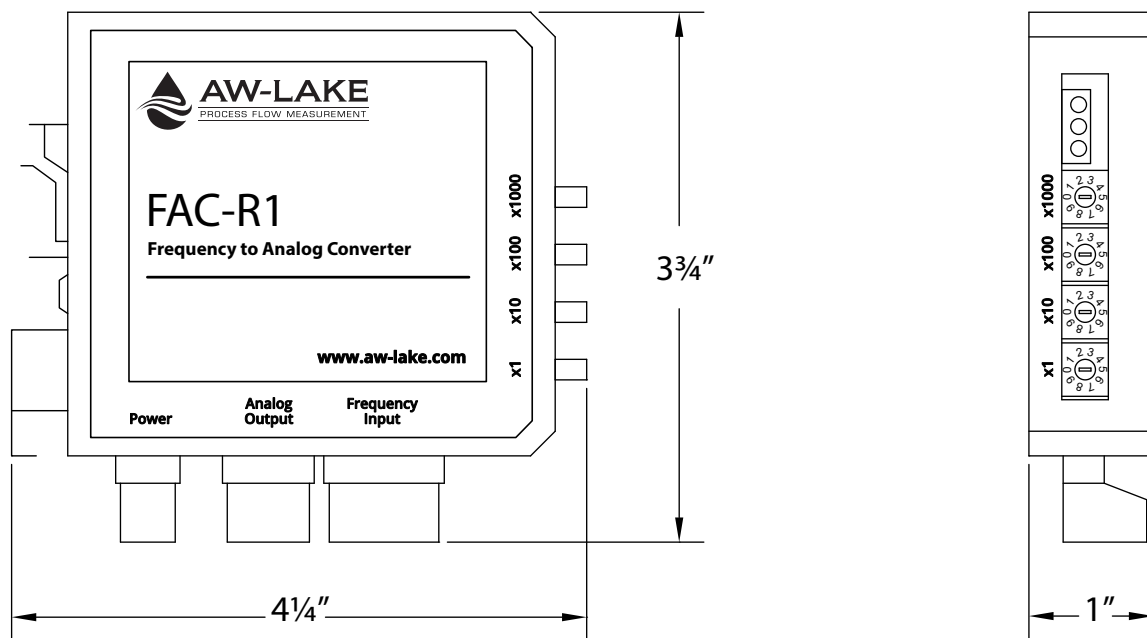
USB-SERIAL-4PIN

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

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DIMENSIONS



End-of-Life Disposal:

At the end of its service life, this product and its associated electronics should **not be discarded with municipal solid waste**. We strongly recommend recycling the unit in accordance with **all applicable local, state, and federal regulations**. Electronic components may qualify as universal waste and should be handled through an appropriate recycling or collection program. Responsible recycling supports our commitment to environmental stewardship under **ISO 14001**.

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