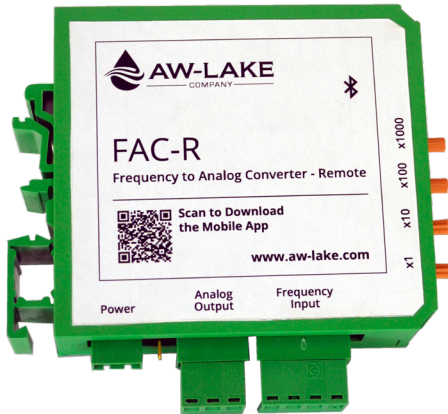


# FAC-R FREQUENCY TO ANALOG CONVERTER – WITH BLUETOOTH

Ideal for converting your frequency output to analog with an easy-to-use handheld mobile device.



## APPLICATIONS

The FAC-R 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 PC Toolkit or "AWL Mobile Toolkit" mobile app)
- Excellent linearity, high temperature stability and long-term stability
- Powered by 10–28VDC
- 16-bit analog output resolution
- Bluetooth enabled for wireless setup from a mobile device

## BENEFITS

### Bluetooth

These modules are equipped with Bluetooth for easy trouble-shooting and setup using our "AWL Mobile Toolkit" App.

### Setup Options

Choose from the "AWL Mobile Toolkit" application, the AW-Lake Toolkit PC 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 Bluetooth app.

### Wireless Hand-Held Display

Using the Bluetooth mobile app on your phone, you now have a wireless flow monitor in your hand!

### Streamlined Setup

The Bluetooth app makes setup and scaling much easier, because no longer do you need to walk from the device to your monitoring equipment when fine-tuning your adjustments.

## 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 or "FAC Terminal" mobile app

### 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

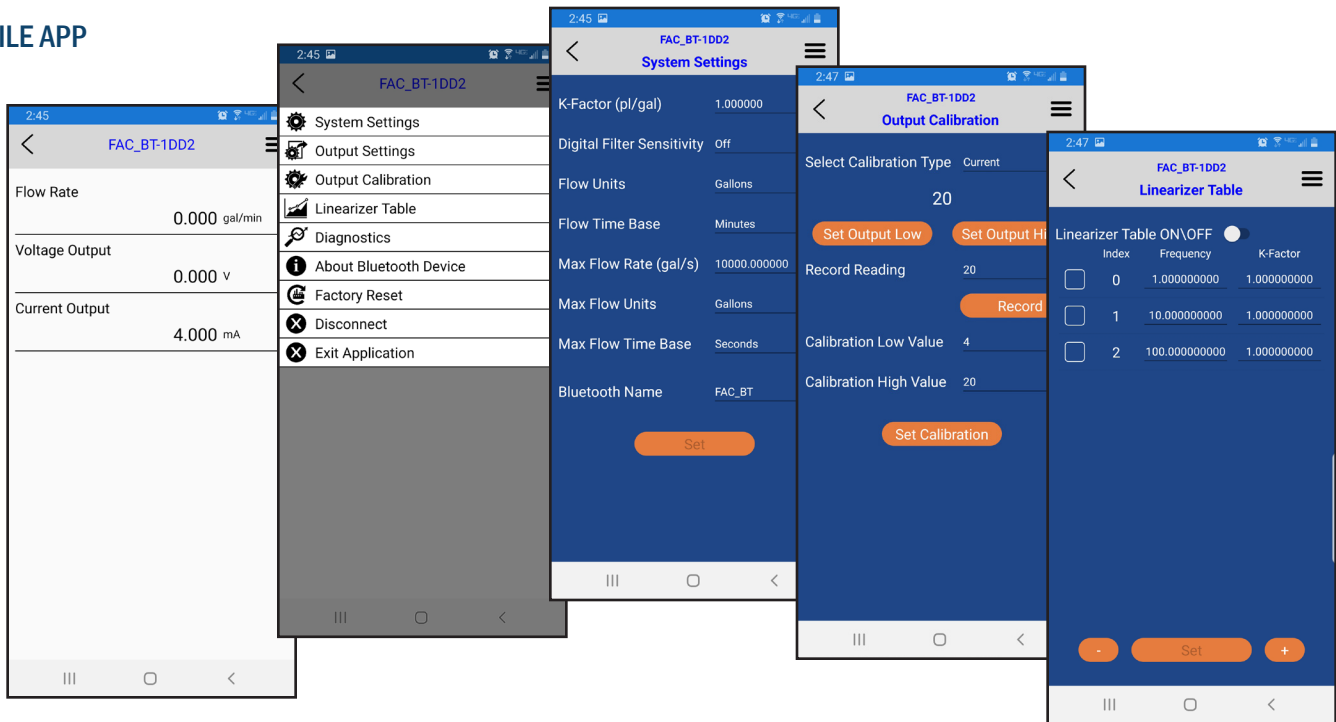
#### USB-SERIAL-4PIN

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

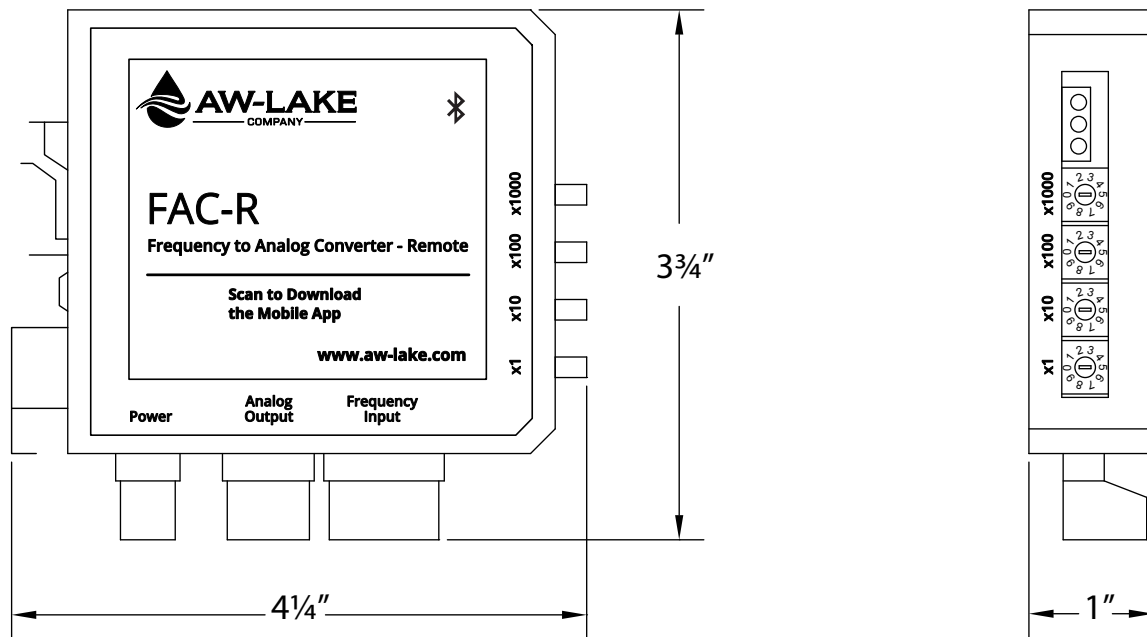
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## MOBILE APP



## DIMENSIONS



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