AO55 Blind Analog Transmitter
Quick Start Guide

Components

AO55 Wall Mount Unit

AO55 Meter Mount Unit

Recommended Tools

• Hex wrench (5/32” or 4 mm)—for opening the cover
• Small flat head screw driver—for adjusting frequency and connecting wiring

Setting Frequency

Loosen the screws and then remove the upper portion of the housing.

1. Decide what flow rate should represent the top of the scale. This is ordinarily the maximum expected flow, or a value just above it, in gallons per minute.

2. Locate the K-factor of the flow sensor (found on the meter or fitting, or in the instruction manual, depending on meter model). The K-factor is the number of pulses the flow sensor produces per gallon of flow.

3. Calculate frequency, using this formula:
   \[
   \text{Frequency} = \frac{\text{K-Factor} \times \text{Top Flow (GPM)}}{60}
   \]
   
   For example:
   
   \[
   54.50 \times 170 = 154.42\]
   \[
   \frac{60}{60}
   \]

4. Round to one decimal place and enter the frequency using the four rotary Frequency switches. Note the decimal point between the third and fourth switches.
Connections

The only connections required on a meter mounted AO55 are the positive and negative 4-20 mA loop connections. If wall mounted, the sensor must also be connected, since it is remote from the transmitter.

For detailed information, including averaging time and calibration, please see the AO55 Instructions booklet, available on our web site at: seametrics.com/downloads.