



## Option 1 — Basic Setup

To access the Basic Setup menu in Program mode:

1. Press **P**.
2. Enter your **Advanced** access password, and then press **E**.
3. Press **2** to invoke the Quick Jump option.
4. Press **1** for the **Basic Setup** menu, and then press **E**.

---

```
! WARNING !
OUTPUT WILL STOP
```

---

The warning message appears followed by a general description of the meter type (either insertion or inline).

---

```
METER TYPE IS
INSERTION FLOW
```

---

5. Press **E**.

---

```
TAG NAME
>FLOW METER
```

---

The tag name is the flow meter name. The name can indicate the location, process, or company naming convention.

6. Press **E** to continue to the next option without making changes.

---

```
FLOW UNITS
>SCMH  ^v
```

---

If you want to change the flow meter name, press **C** to clear the tag name field. Use the alphanumeric keys to enter letters and numbers. Press **E** to advance to the next character position. Press **E** to accept the new name and continue to the next option.

The flow units determine the units that appear for velocity and temperature.  
The flow rate options are NCMH, NLPM, SCFH, SCFM, SCMH, and SLMP.  
The mass rate options are KGH, KGM, PPH, and PPM.

7. Use the arrow keys to select the flow units, and then press **E**.

---

```
DUCT PROFILE
>ROUND  ^v
```

---

The duct profile options are round, rectangle, and custom.

8. Use the arrow keys to select the duct profile, and then press **E**.



Depending on the duct profile selection, the duct width, inside diameter, or flow area prompt appears.

### Rectangle

---

DUCT WIDTH  
>36.25          IN

---

---

DUCT Height  
>40.625          IN

---

### Round

---

INSIDE DIAMETER  
>15.325          IN

---

### Custom

---

FLOW AREA  
>10.525          SQFT

---

9. Use the number and decimal keys to enter the profile measurements. Press **E**.

---

FLOW AREA  
>10.525          SQFT

---

The Flow Area is calculated from the height and width of a rectangular profile or the inside diameter of a circular profile.

**Note:** If you selected a custom duct profile, the Flow Area option will not appear twice.

10. Use the number and decimal keys to enter the flow area measurements. Press **E**.

For insertion flow meters, the Probe Depth option appears.

---

PROBE DEPTH  
>18.230          IN

---

11. Use the number and decimal keys to enter the probe depth. Press **E**.

---

PROBE DEPTH  
>18.230          IN

---

The Analog Output options include flow rate, velocity, temperature, and PID. The availability of options is based on other settings.



12. Use the arrow keys to select an Analog Output option, and then press **E**.

```
ANALOG OUT
>FLOW RATE  ^v
```

The analog output 4mA prompt determines the minimum range value; that is, how low the flow unit value can go before triggering a signal to the analog output. The flow unit type was specified in a previous option.

13. Use the number and decimal keys to enter the 4mA value. Press **E**.

```
AO1 at 20mA
>15000.000 SCFM
```

The analog output 20mA prompt determines the maximum range value; that is, how high the flow unit value can go before triggering a signal to the analog output. The flow unit type was specified in a previous option.

14. Use the number and decimal keys to enter the 20mA value. Press **E**.

**Note:** If the flow meter was configured with a second analog output, prompts will appear for AO2 at 4mA and AO2 at 20mA.

```
RUN MODE DISPLAY
>STATIC  ^v
```

The Run Mode options are static variables and scrolled variables.

Refer to Chapter 1 for a description of static and scrolled modes.

15. Use the arrow keys to select the Run Mode Display, and then press **E**.

Depending on the run mode selection, the static variable or scrolled variables prompt appears.

```
STATIC VARS
>FLOW+TEMP  ^v
```

```
SCROLLED VARS
>SCROLL ALL  ^v
```

16. Use the arrow keys to select the variable, and then press **E**.

```
SCROLL INTERVAL
>2          SEC
```

The Scrolled Variable option also allows you to determine the length of time (between 2 and 8 seconds) that information appears on the display before changing to the next value.



17. Use the number keys to choose between 2 and 8 seconds, and then press **E**.  
The flow meter will now provide flow readings for the new gas composition.