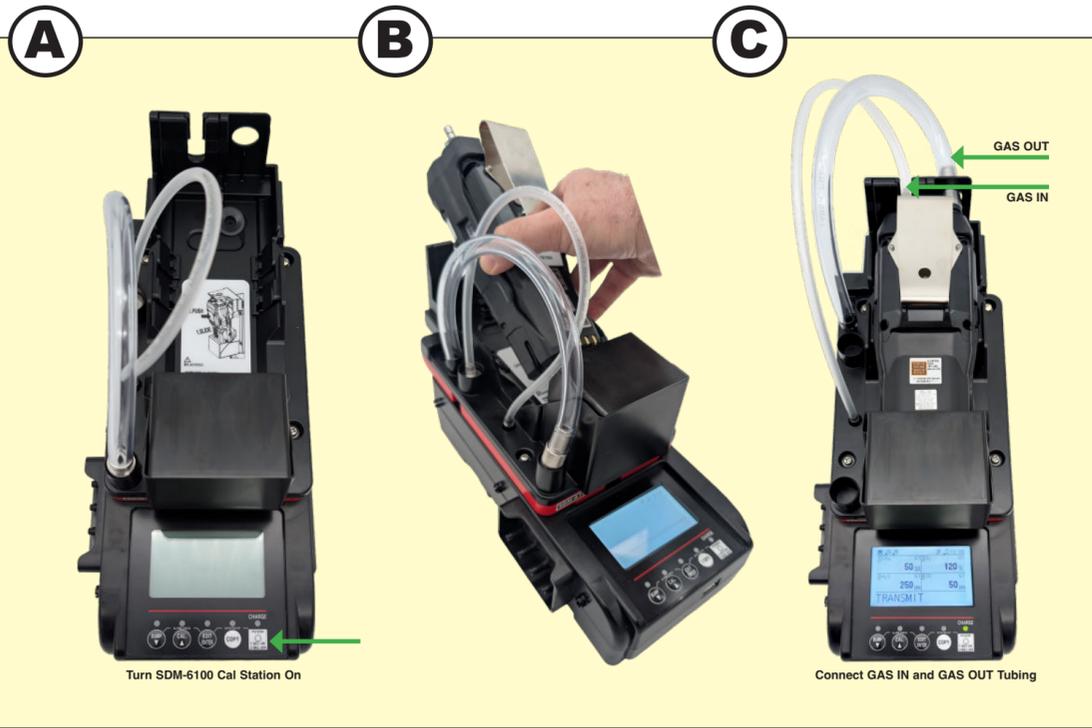


TURN ON



Turn Cal Station On

1. Hold down the **POWER** button on the SDM-6100 for at least one second to turn on the power.

Install GX-6100 into Cradle

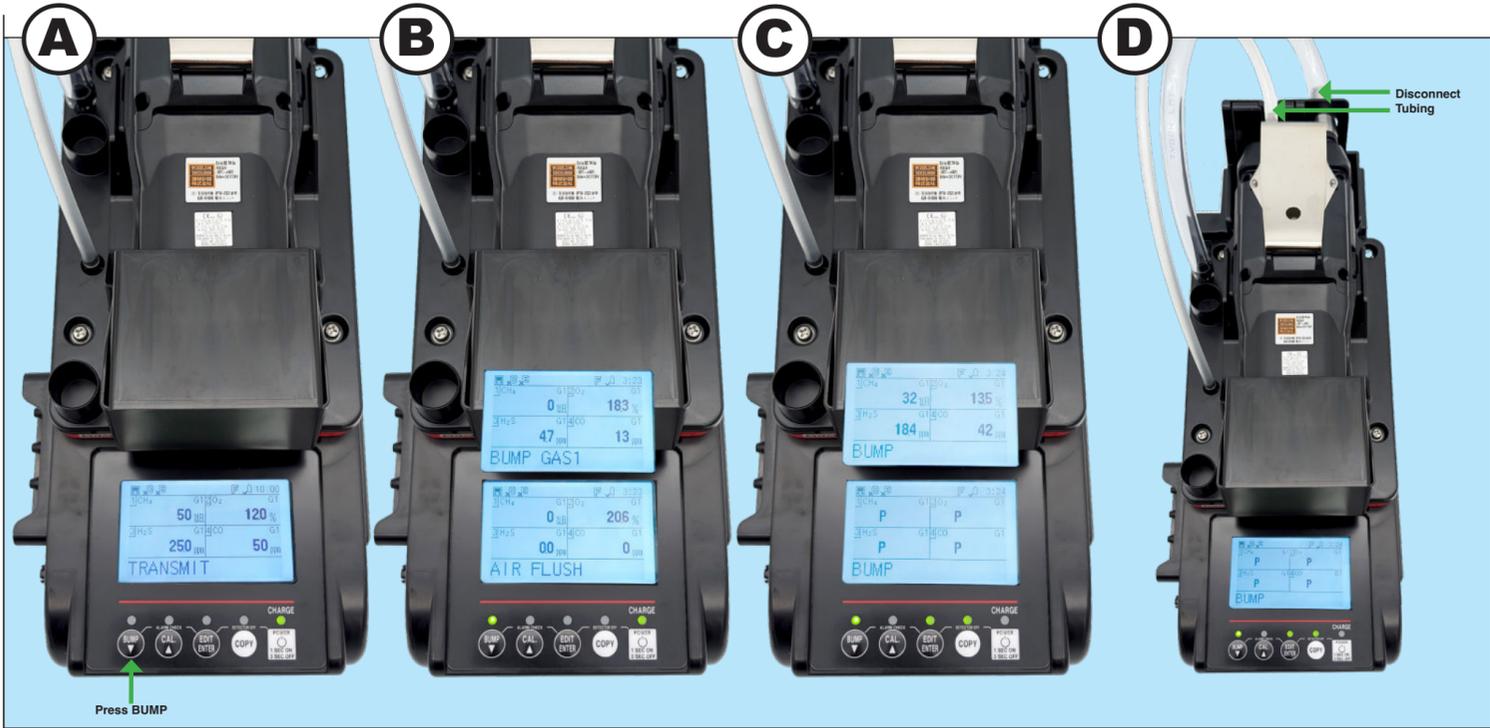
1. Slide the GX-6100 into the SDM-6100's instrument cradle with the instrument display facing down.
2. Gently press the GX-6100 down until it snaps into place. The gas detector will beep and automatically connect to the SDM-6100.

Connect Gas Tubing

1. Attach the inlet and exhaust tubes to the instrument, as shown above.

Once communication is established, the gas names and calibration gas concentrations set on the gas detector are displayed on the LCD.

BUMP TEST



Bump Test

Note: Ensure calibration gas cylinder is connected to a demand flow regulator and then to the left side of the calibration station (Gas 1 inlet).

1. Press the **BUMP** button to start a bump test.

If you wish to cancel the bump test, press and hold BUMP until the screen shows CANCEL.

Bump Gas Reading

During the bump test, the current gas concentration is displayed and "BUMP" LED blinks orange. An AIR FLUSH will display on the LCD followed by BUMP GAS1. Then an air purge is performed at the end of the bump test and an alarm check is performed before the results are displayed.

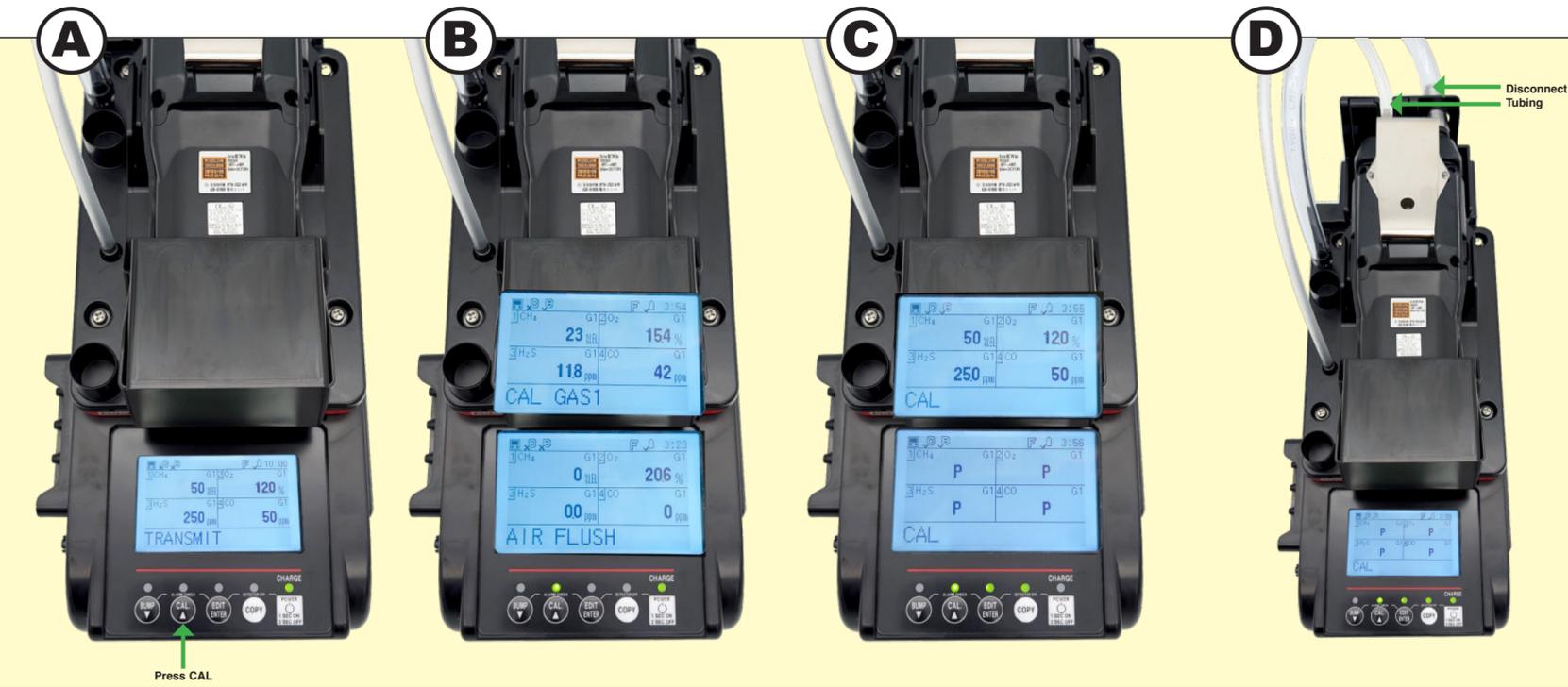
Bump Results

The SDM-6100 will analyze the results after the end of each application. If the bump test fails and AUTO CAL is set to ON, the gas will keep flowing and a calibration will automatically begin. Once the bump test is over, the LCD will display the test results and the LEDs will indicate the results. The results of the bump test, and alarm check will be stored in the SDM-6100.

Removing Gas Detector

1. To turn off the GX-6100 before it is automatically turned off, press the **EDIT ENTER** and **POWER** buttons.
2. Disconnect GAS tubes from gas detector.
3. Gas detector can now be removed.

CALIBRATION



Calibration

Note: Ensure calibration gas cylinder is connected to a demand flow regulator and then to the left side of the calibration station (Gas 1 inlet).

1. Press the **CAL** button to start gas adjustment.

Gas Adjustment Readings

During the calibration, the current gas concentration is displayed and "CAL" LED blinks orange. AIR FLUSH will display on the LCD followed by CAL GAS1. Then an air purge is performed at the end of the calibration and alarm check is performed before the results are displayed.

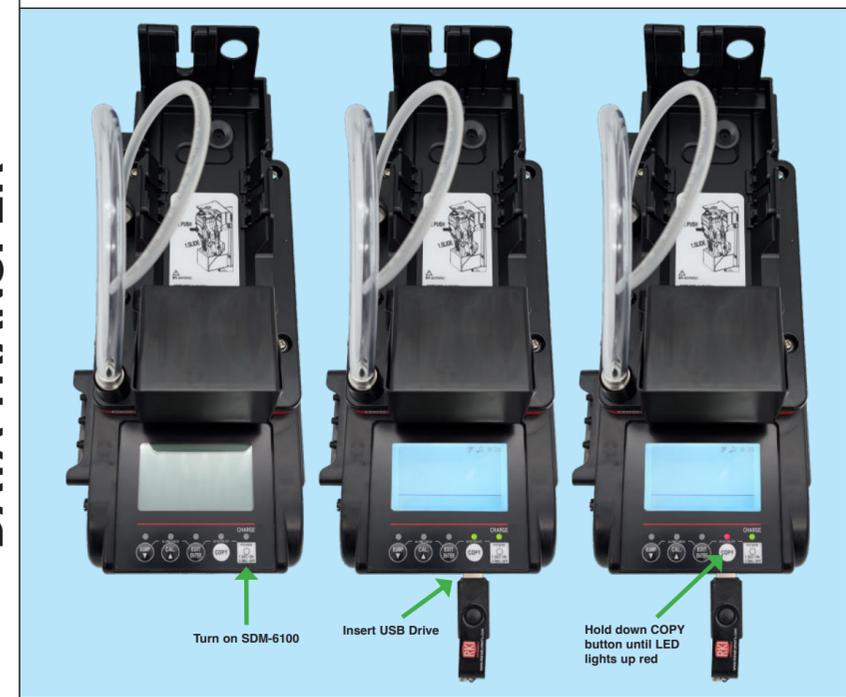
Gas Adjustment Results

Once calibration is complete, the LCD screen will alternate between the gas concentration and pass/fail status (shown as P or F on screen). The LED above the "CAL" button on the SDM-6100 will be green when a calibration passed or red if there is a failure. The GX-6100 gas detector will shut off automatically after calibration. The results of the calibration and alarm check will be stored in the SDM-6100.

Removing Gas Detector

1. To turn off the GX-6100 before it is automatically turned off, press the **EDIT ENTER** and **POWER** buttons.
2. Disconnect GAS tubes from gas detector.
3. Gas detector can now be removed.

DATA TRANSFER



Transfer Data To USB Flash Drive

1. Hold down the **POWER** button on the product for at least one second to turn on the power.
2. Insert the USB flash drive into the USB port on the front of the product.
3. Hold down the **COPY** button on the product until the **COPY** LED lights up red.

The bump test, calibration, and alarm check data stored in the SDM-6100 is copied to the USB flash drive. Once copying is complete, the COPY LED returns to green.