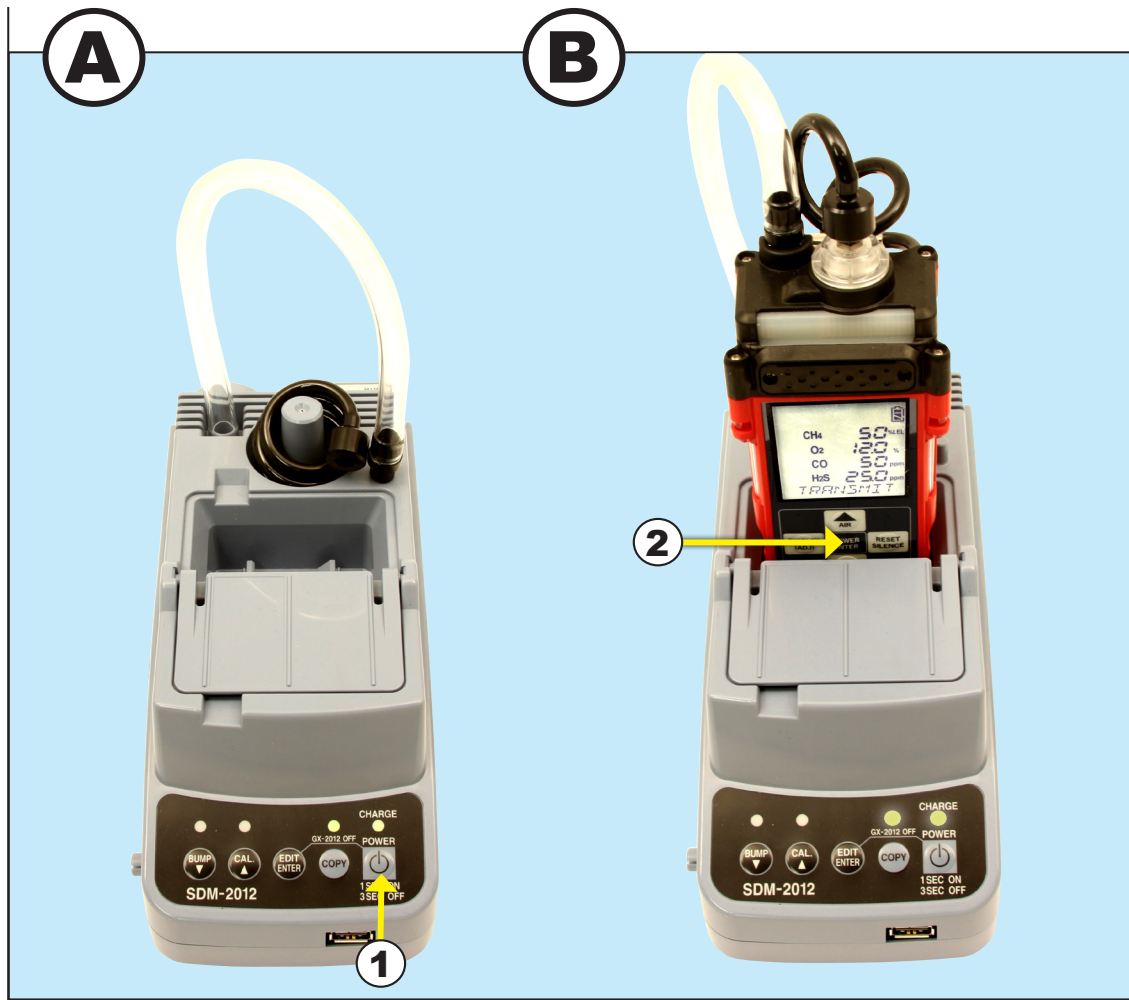


SDM-2012 Calibration Station Operation

TURN ON



Turn Cal Station On

Instrument Connected

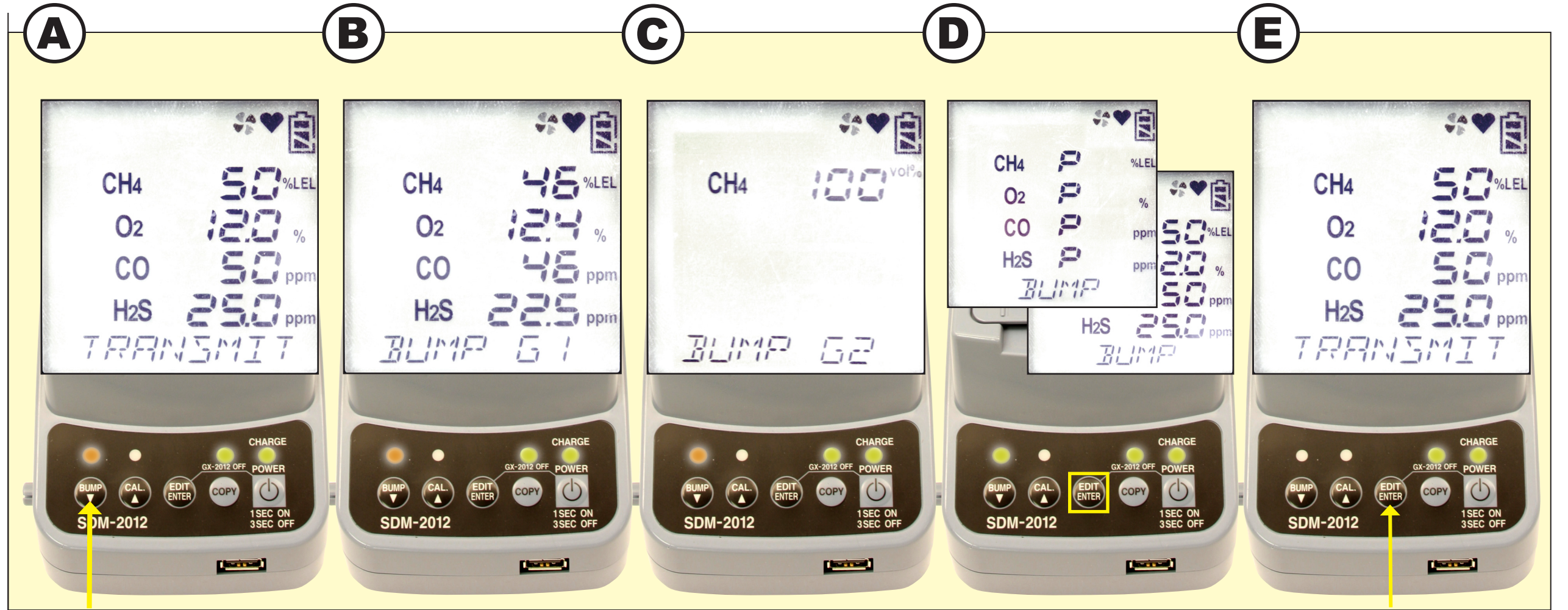
1. Press and hold the SDM-2012's POWER button. The LEDs will turn amber. When the BUMP and CAL LEDs turn off, release the POWER button.

2. Connect hoses to GX-2012. Then press and hold the POWER ENTER button on the GX-2012 until you hear a beep, then release it.

Seat a GX-2012 in the instrument cradle. The front recess is for versions with a Li-ion battery pack. The back recess is for instruments that have an alkaline battery pack. Flip the plastic flap over if it is covering the recess you need to use.

The GX-2012 will begin its power up sequence. If a successful connection between the instrument and the SDM-2012 occurs, the home screen will appear displaying "TRANSMIT" and the auto cal values on the instrument display at the end of the startup sequence.

BUMP TEST



Bump Test

Standard 4 Sensors Bump Gas Reading

% Volume Sensor Bump Gas Reading

Bump Results

Return to Home Screen

Press and hold the BUMP button until the BUMP LED turns on then release it.

The station will bump test the standard 4 sensors. During the bump test, the display shows current gas reading and the bump LED will flash amber.

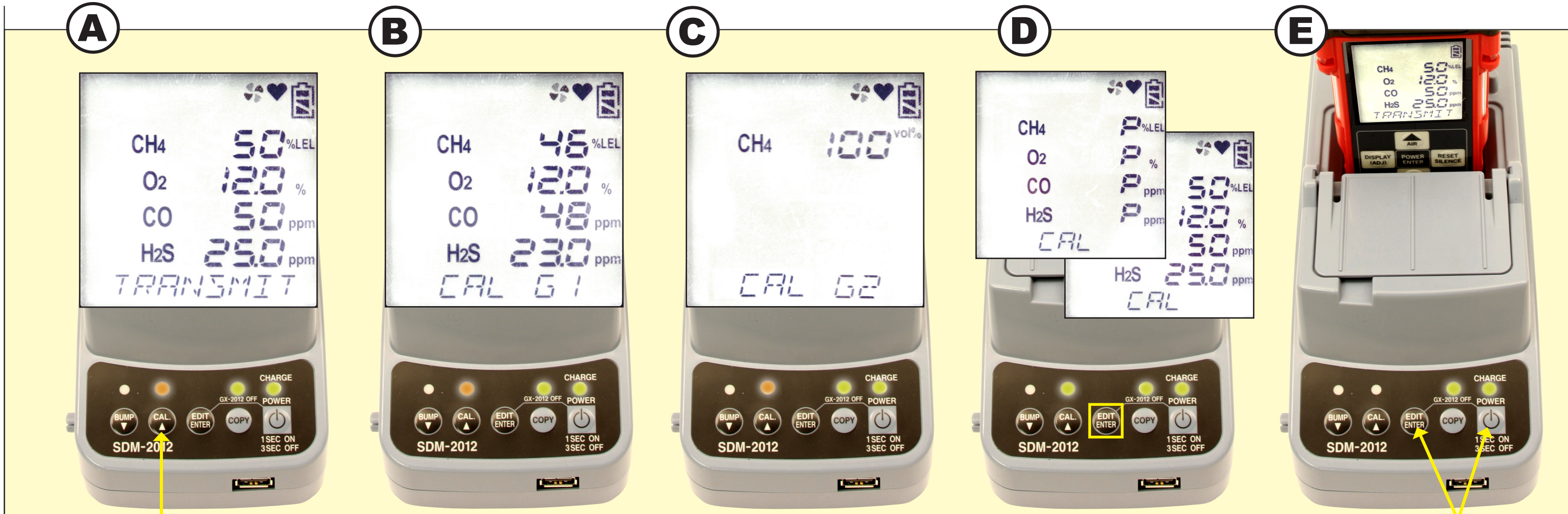
If a % volume sensor is installed, the station will bump test it using Gas 2 calibration gas.

The BUMP LED will stop blinking and become steady green if the bump test passed or steady red if the bump test failed. Display will alternate between the gas readings and the bump test results for each sensor ("P" for pass or "F" for fail). If you have a % volume sensor installed, press and release the EDIT ENTER button to scroll between both sets of results.

Press and hold the "EDIT/ENTER" button until the home screen appears. See step "E" below for turning off instrument after completion of bump test.

Note: Ensure appropriate calibration gas cylinder is connected to a demand flow regulator and then to the correct port (Gas 1 or Gas 2) on the back of the cal station. Make sure calibration gas concentrations match values shown on display.

CALIBRATION



Calibrate

Standard 4 Sensors Calibration Gas Readings

% Volume Sensor Calibration Gas Readings

Calibration Results

Removing from SDM-2012

Press and hold the CAL button until the CAL LED turns on then release it.

The station will calibrate the standard 4 sensors. During calibration, the display shows current gas readings. Typical calibration will take 3 minutes.

If a % volume sensor is installed, the station will calibrate it using Gas 2 calibration gas.

The CAL LED will stop blinking and become steady green if the calibration passed or steady red if the calibration failed. The display will alternate between the gas readings and the calibration results for each sensor ("P" for pass or "F" for fail). If you have a % volume sensor installed, press and release the EDIT ENTER button to scroll between both sets of results.

After a successful bump test or calibration, the GX-2012 will automatically turn off within 15 seconds. If the calibration failed, the instrument will shut off after 10 minutes.

To turn off manually, press the SDM-2012 "Power" and "Edit Enter" buttons simultaneously for about one second and then release them.

Warning: Do not remove the GX-2012 before turning it off, and do not use the GX-2012's power button to power it down.

Note: Ensure appropriate calibration gas cylinder is connected to a demand flow regulator and then to the correct port (Gas 1 or Gas 2) on the back of the cal station. Make sure calibration gas concentrations match values shown on display.

DATA TRANSFER



Data Transfer To USB Flash Drive

With USB flash drive installed and unit powered on, press and hold the COPY button until the COPY LED turns red, then release it. The COPY LED will become solid red while the records in the calibration station's memory are copied to the flash drive. In addition, if the flash drive has an LED, it will begin to blink. When the COPY LED returns to its original color and begins blinking again and the flash drive's LED (if it has one) stops blinking, the copy operation is complete. Remove the flash drive from the USB port. Transfer data to PC with Single Module Data Viewer software, following the instructions in the operator's manual.



GX-2012 Calibration Station User Guide



Model SDM-2012

PN 71-0263RK