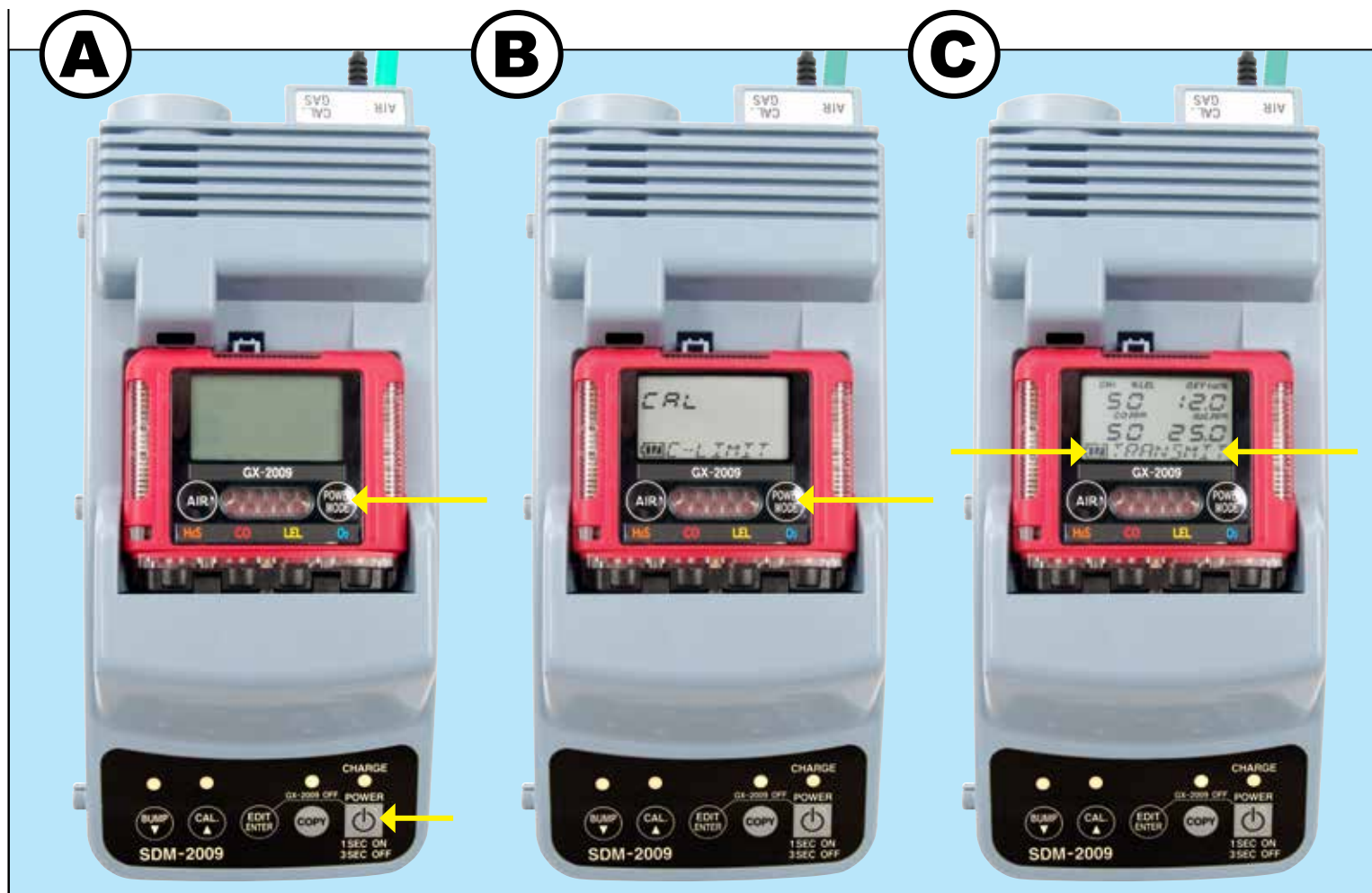# GX-2009 Calibration Station User Guide

TURN ON

A — Turn Cal Station On

1. Press the "POWER" button on the cal station.

2. Seat the GX-2009 into the cal station. Then turn on the GX-2009 by pressing the "POWER/MODE" button on the gas monitor.
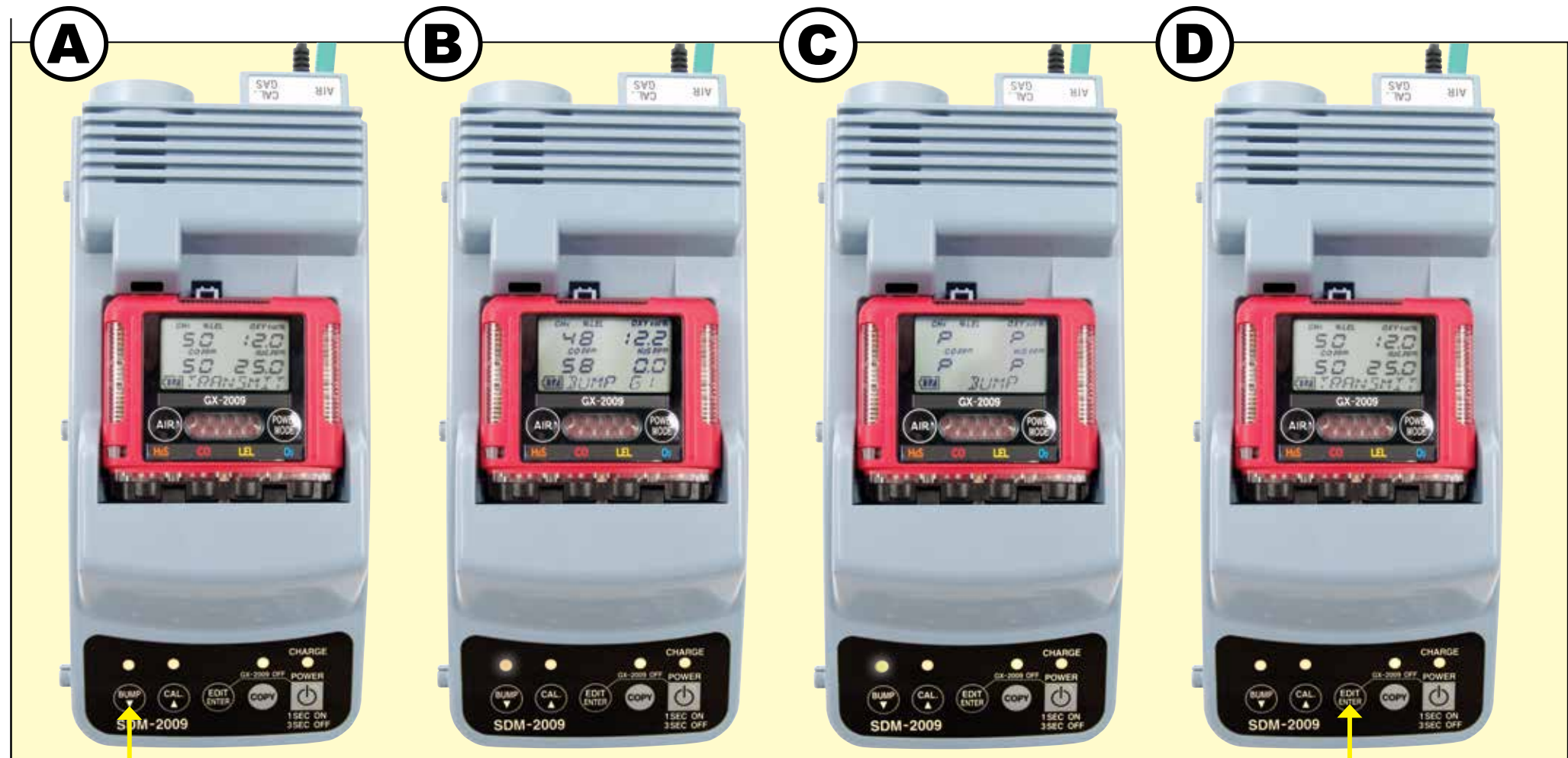
B — Confirm CAL C--LIMIT

If the LCD display reads **CAL C--LIMIT**, press the Power/Mode button on the gas monitor to continue to TRANSMIT.
If **CAL C--LIMIT** is not displayed continue to the next step.

C — Instrument Connected

Once on, the display will show gas channels and a transmit message. The gas monitor is ready for a Bump Test or Calibration.

BUMP TEST

A — Bump Test

Press the "Bump" button to start bump test.

Note: Ensure calibration gas cylinder is connected to a demand flow regulator and then to the back of the cal station. **Make sure calibration gas concentrations match values shown on display.**

B — Bump Gas Reading

During Bump test, the display shows current gas reading.
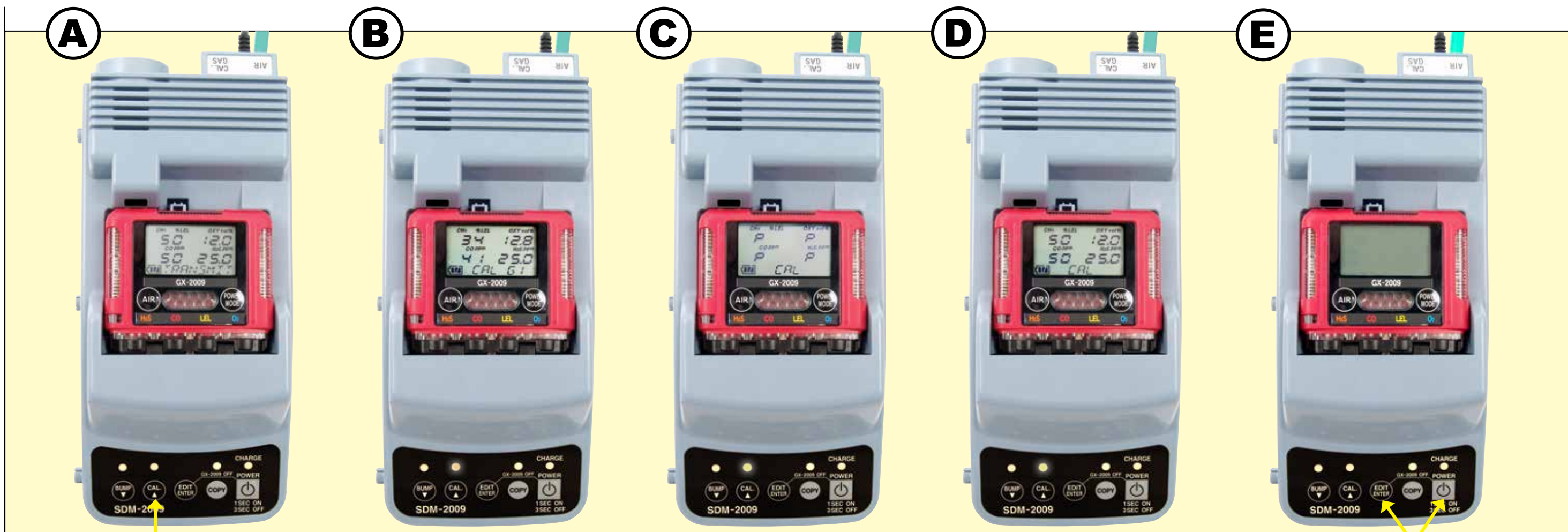
C — Bump Results

The BUMP LED will stop blinking and be on steadily green if the bump test passed or steadily red if the bump test failed. Display will show "P" for pass or "F" for fail for each sensor. The display will alternate between the gas concentration and the letter "P" when the monitor passes bump test.

D — Return to Transmit Screen

Press the "EDIT/ENTER" button. See step "E" below for turning off instrument after completion of bump test.

CALIBRATION

A — Calibrate

Press the "CAL" button to start calibration.

Note: Ensure calibration gas cylinder is connected to a demand flow regulator and then to the back of the cal station. **Make sure calibration gas concentrations match values shown on display.**

B — Calibration Gas Readings

During calibration, the display shows current gas readings. Typical calibration will take 3 minutes.

C — Calibration Results

Once calibration is complete, the display either shows a "P" for pass or an "F" for fail for each sensor. The display will alternate between the gas concentration and the letter "P" when the monitor passes calibration. The "CAL" LED lights in green when calibration is passed. "CAL" LED lights in red if there is a failure.

D

E — Removing from SDM-2009U

After a successful bump test or calibration, the GX-2009 will automatically turn off within 15 seconds. **To turn off manually, press the SDM-2009 "Edit Enter" and "Power" buttons simultaneously.**

Warning: Do not remove the GX-2009 before turning it off, and do not use the GX-2009's power button to power it down.

DATA TRANSFER

A — Data Transfer To USB Flash Drive

With USB flash drive installed and unit powered on, press and release the COPY button. The COPY LED will become solid red while the records in the calibration station's memory are copied to the flash drive. In addition, the flash drive's LED will begin to blink.

When the LED stops blinking, the copy operation is complete. Remove the flash drive from the USB port.

Transfer data to PC with Calibration Station software, following the instructions in the Operator's Manual.

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User Guide

Model SDM-2009U