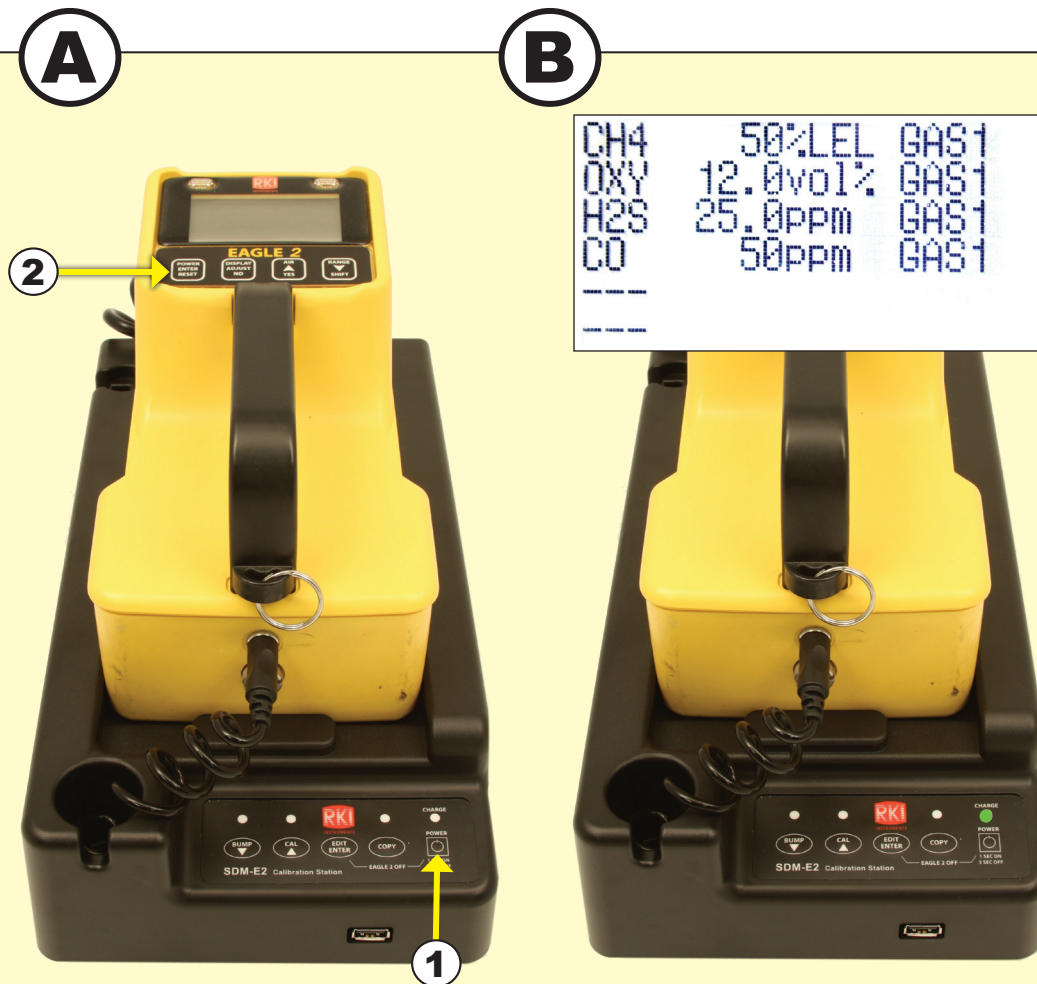


# Eagle 2 Calibration Station Operation

## TURN ON



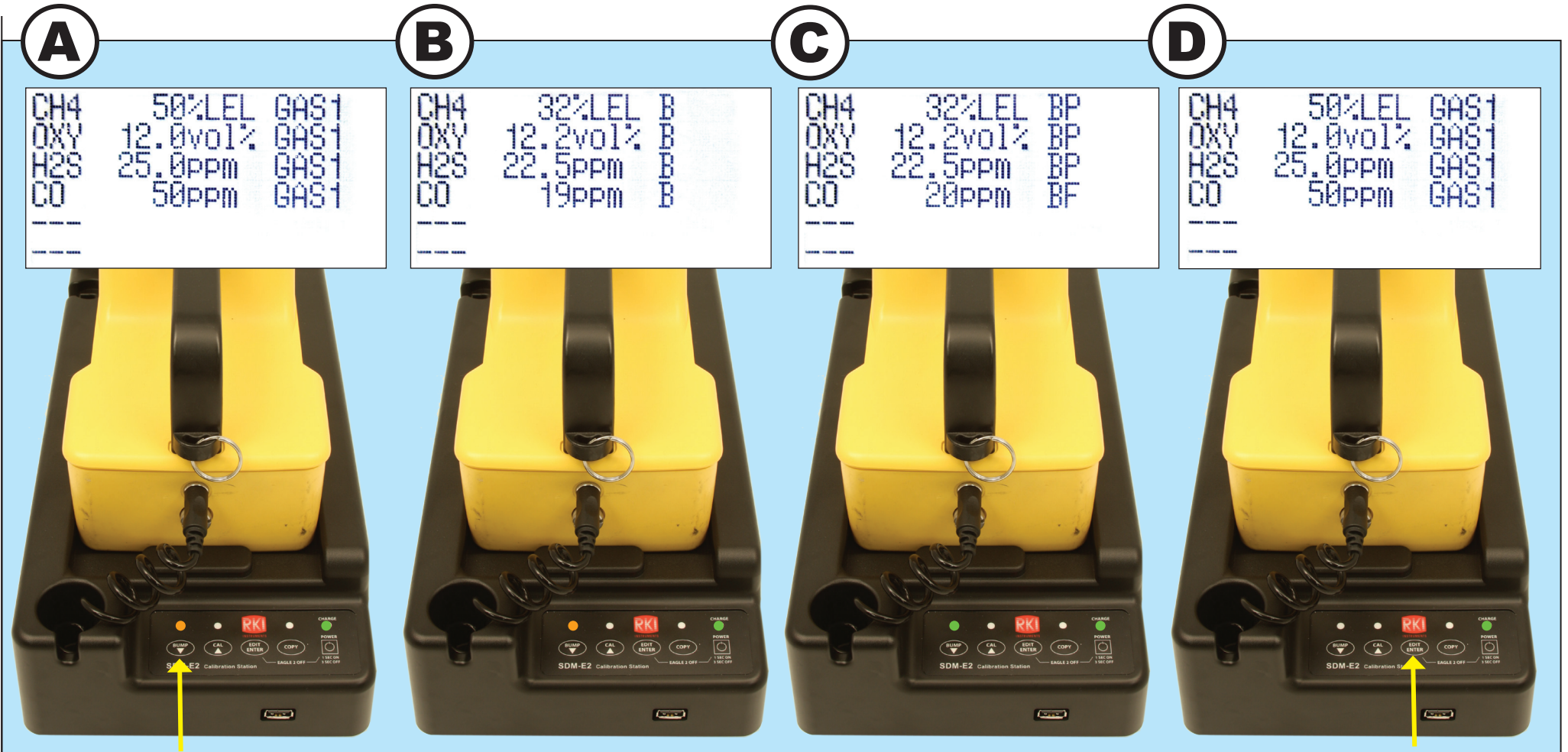
**Turn Cal Station On**

1. Press the "POWER" button on the cal station.
2. Seat the Eagle 2 into the cal station. Then turn on the Eagle 2 by pressing the "POWER/ENTER/RESET" button on the gas monitor.

**Instrument Connected**

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

## BUMP TEST



**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 correct port (Gas 1 or Gas 2) on the back of the cal station. Make sure calibration gas concentrations match values shown on display.

**Bump Gas Reading**

During bump test, the display shows current gas reading and the bump LED will flash amber.

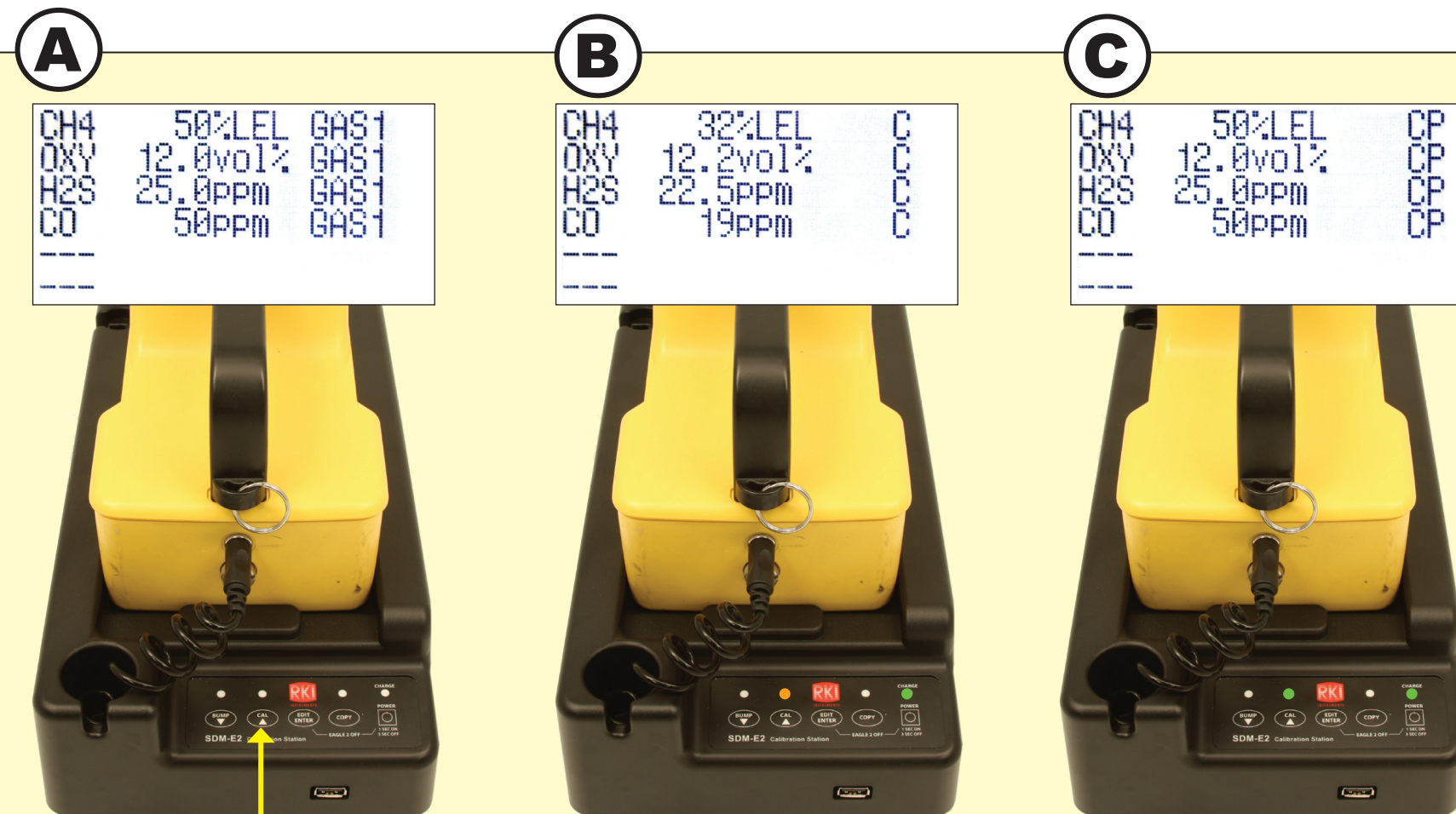
**Bump Results**

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.

**Return to Home Screen**

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

## CALIBRATION



**Calibrate**

Press the "CAL" button to start calibration.

**Note:** Ensure 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 Gas Readings**

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

**Calibration Results**

Once calibration is complete, the display either shows a "P" for pass or an "F" for fail for each sensor. The "CAL" LED lights in green when calibration is passed. "CAL" LED lights in red if there is a failure.

**Removing from SDM-E2**

After a successful bump test or calibration, the Eagle 2 will automatically turn off within 15 seconds. To turn off manually, press the SDM-E2 "Edit Enter" and "Power" buttons simultaneously.

**Warning:** Do not remove the Eagle 2 before turning it off, and do not use the Eagle 2's power button to power it down.

## DATA TRANSFER



**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.



## Eagle 2 Calibration Station User Guide



**Model SDM-E2**

PN 71-0255RK