

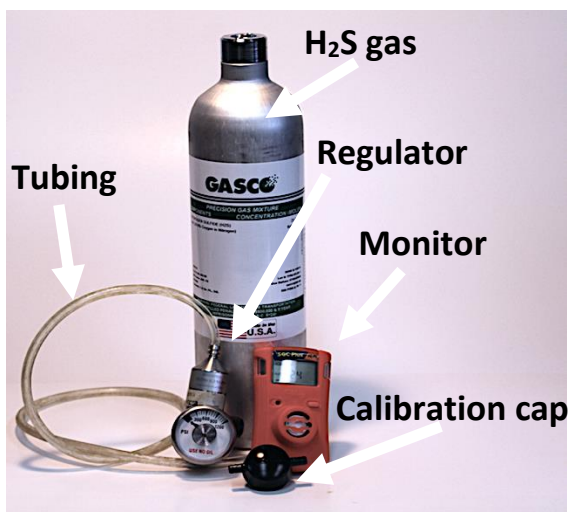
Hydrogen Sulfide (H₂S) Monitor Bump Test:

for SGC Plus* with calibration gas and regulator

Why Use A Monitor?

Hydrogen sulfide (H₂S) gas is released from manure when agitating, pumping manure, and when power washing inside a livestock building. Concentrations above *100 ppm are immediately dangerous to life and health*. An inexpensive monitor that alerts you before H₂S concentrations become lethal. It is important to test its response before you rely on it to save your life. To make sure your equipment will warn you of the danger of this gas, plan to *check your monitor 2 weeks before manure pumping or other high-risk activity*: This gives you time to get a replacement if you need one. Then, perform this check again **at the start of every day you use the monitor**, to be safe. If the monitor fails the bump test check to make sure all connections are tight, then complete the bump test again. If the monitor fails the bump test a second time, it will need to be replaced.

1



You will need:

- H₂S calibration gas: 25 ppm
- Regulator: 0.5 liter per minute
- Monitor
- Tubing
- Calibration cap

2



- Attach regulator to the H₂S cylinder
- Attach tubing to regulator
- Attach other end of tubing to calibration cap

3

No H₂S gas: 24 months



- Attach the calibration cap to the monitor
- Check to see there are no warnings on the monitor's screen

4



- *Open* the regulator valve (listen for gas flowing)
- Watch the monitor screen
- Confirm the concentration is going up

5



- Confirm alarms **at 10 ppm**: audible, visual, and vibrating
- Confirm alarms **at 15 ppm**: speed of each alarm will increase
- *Close* the regulator valve
- Remove calibration cap

6

Does not reach 25 ppm:
Get new monitor



Do not use monitor if:

- Alarms do not go off
- Concentration does *not match the calibration gas* (25 ppm)
- Takes *longer than 60 seconds* to reach target concentration (25 ppm)