



ATMOSPHERIC MONITOR BUMP TEST / CALIBRATION LOG

Vanguard Training Group | Portable gas monitor | One instrument per log | 29 CFR 1910.146 / 1926 Subpart AA

VTG-CS-MON-001

Rev. October 2026

1. INSTRUMENT

1910.146(c)(5)(ii)(C), (d)(5) | 1926.1204(e) | OSHA SHIB (DRM calibration)

Make / model _____ Serial no. _____ VTG asset / ID _____ Pump / diffusion _____

Last full calibration _____ Next due _____

Sensor	Installed	Low alarm	High alarm	Permit limit (VTG-CS-PRMT-001)	Test gas conc.	Cylinder lot / expiry
Oxygen O ₂ (% vol)	☐	_____	_____	19.5 – 23.5 %	_____	_____
Flammable (% LEL)	☐	_____	_____	< 10 % LEL	_____	_____
Hydrogen sulfide H ₂ S (ppm)	☐	_____	_____	< 10 ppm	_____	_____
Carbon monoxide CO (ppm)	☐	_____	_____	< 25 ppm	_____	_____
Other:	☐	_____	_____	(write limit + source)	_____	_____

BUMP TEST (function check): gas reaches every sensor and sets off every alarm; does not prove accuracy; before each day's use. CALIBRATION CHECK: zero in fresh air, apply test gas, reading within the manufacturer's tolerance. FAIL either = FULL CALIBRATION before use; fails full calibration = TAG OUT. Use unexpired, certified test gas. Keep this log for the life of the instrument.

2. DAILY BUMP / CALIBRATION LOG

B = bump, CC = calibration check, FC = full calibration. Write the peak reading.

Date	Time	Type B / CC / FC	Fresh-air zero OK	O ₂ % vol	LEL %	H ₂ S ppm	CO ppm	Other	Alarms OK	Pass	Fail	Action if fail / notes	Initials
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	☐	☐	☐	_____	_____

Role	Name (print)	Signature	Date	Out of service? Y / N	Tag no.
Reviewed by	_____	_____	_____	_____	_____

REFERENCES: 29 CFR 1910.146(c)(5)(ii)(C), (d)(5) and App. B; 29 CFR 1926.1204(e); OSHA SHIB 09-30-2013 Verification of Calibration for Direct-Reading Portable Gas Monitors; ISEA Statement on Validation of Operation for Direct Reading Portable Gas Monitors; ANSI/ASSP Z117.1; monitor manufacturer instructions (calibration gas, interval, sensor life).