

99097: 0-1000 PPM O₂

Calibration & Repeatability Testing

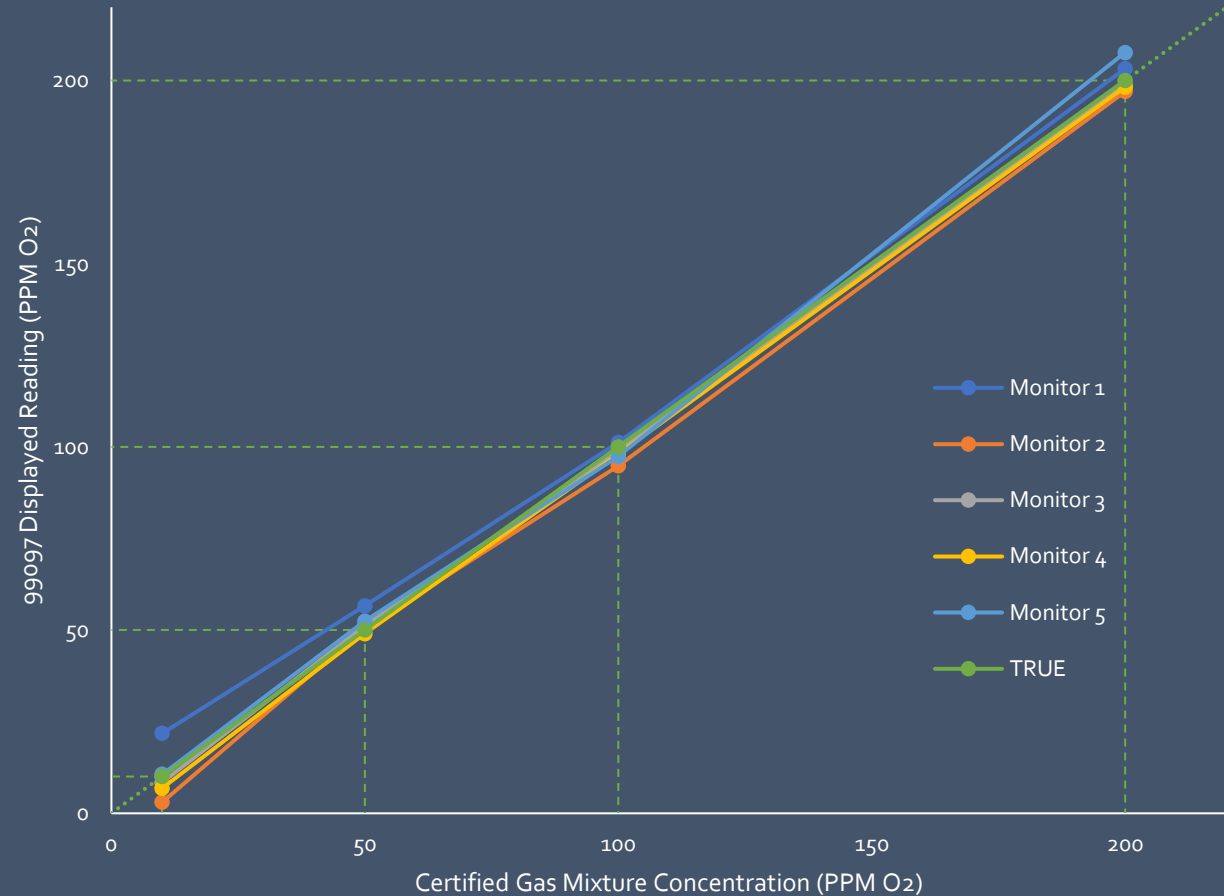
Factory Calibration

- Monitor is factory calibrated using 4 separate gases:
 - 10 PPM O₂
 - 50 PPM O₂
 - 100 PPM O₂
 - 200 PPM O₂
- Can be field calibrated as required using only 200 PPM O₂ in N₂ balance
- Can be field calibrated with Single or MultiPoint AutoCal*
- Calibrated using PureAir 83052 test cap

Note: PureAir cannot supply calibration gas

*AutoCal is only available on V5.0 and later monitors

99097 0-1000 PPM O₂ Readings



Field Calibration

- Using 200 PPM O₂ in N₂ Balance and calibration cap 83052 or in mounted location:
- Flow gas over the sensor at 500 ccs or 0.5 LPM for at least 3 minutes before adjusting
- After 3 minutes, adjust the sensor span until the sensor reads 200 PPM
- Continue to flow gas until 3 more minutes have elapsed while adjusting further

Note: Gas can be substituted for your desired gas but may cause inaccuracies

AutoCal Field Calibration

Single Point Calibration

- Using 200 PPM O₂ in N₂ Balance and calibration cap 83052 or in mounted location:
- Flow gas over the sensor at 500 ccs or 0.5 LPM for at least 3 minutes before adjusting
- Navigate to menu and press to save calibration and finish

MultiPoint Calibration

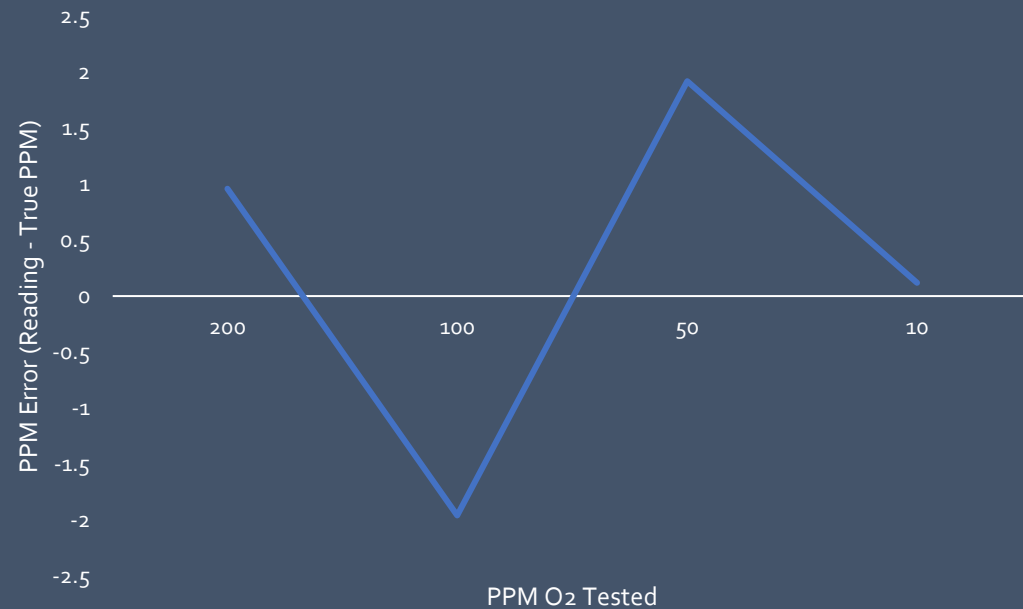
- Using 200, 100, 50, and 10 PPM O₂ in N₂ Balance and calibration cap 83052 or in mounted location:
- Flow gas over the sensor at 500 ccs or 0.5 LPM for at least 3 minutes before adjusting
- Navigate to menu and save each gas calibration
- Save new algorithm to finish calibration

Note: AutoCal is only available in V5.0 and later units.

Accuracy

Overall Average

Average of Five (5) 99097 0-1000PPM O₂ Monitors,
Error (Reading - True PPM)



Individual Accuracy

99097 0-1000PPM O₂, Error (Displayed Reading - True PPM O₂)

