

# Field Environmental Instruments, Inc

Equipment Rental & Field Supplies

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## Calibration Routine for OVM 580B

Press This

Observe This

1. ON/ OFF  
  
current ppm reading +  
sampling pump on.
2. MODE/ STORE  
  
LOG THIS VALUE?
3. -/CRSR 4 TIMES  
  
"RESET" TO CALIBRATE
4. RESET  
  
RESTORE BACKUP
5. -/ CRSR  
  
ZERO GAS  
RESET WHEN READY
6. MAKE SURE YOU ARE IN CLEAN AREA (or hook-up zero air supply)
7. RESET  
  
MODEL 580 ZEROING  
then  
APAN PPM = 0100
8. VALUE FOLLOWING "SPAN PPM" MUST EQUAL PPM VALUE OF CALIBRATION GAS
9. +/- INC  
  
SPAN GAS  
RESET WHEN READY
10. ATTACH CALIBRATION GAS AND OPEN FLOW REGULATOR
11. RESET  
  
MODEL 580  
CALIBRATING then  
"RESET" TO CALIBRATE  
**DO NOT PRESS RESET**  
**GO TO 12.**
12. MODE/ STORE  
  
CURRENT PPM OF GAS  
=100 PPM
13. REMOVE CALIBRATION GAS AND VERIFY READING DROPPING TO ZERO. IT SHOULD ZERO WITHIN ABOUT 30 SECONDS OR SO – IF IT DOES NOT ZERO, CLEAN LAMP LENSE AND RECALIBRATE. IF YOU DON'T KNOW HOW TO CLEAN THE LAMP CALL TONY VISCO OR BRUCE IBE AT FIELD ENVIRONMENTAL (800-393-4009)
14. LET THE OVM RUN FOR ABOUT 5 MINUTES, THE ATTACH THE CALIBRATION GAS AND VERIFY THAT IT STILL READS WITHIN 2.5PPM OF 100. IF READING HAS DROPPED SIGNIFICANTLY PLEASE CALL TONY OR BRUCE.

**"F.E.I. Your Needs are Our Business"**

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