

CALIBRATION PROCEDURE FOR TOX-NH3/ANA SENSOR

Frequency of Calibration

The manufacturer recommends that the gas sensor module be calibrated every 90 days.

Calibration Process

The output signal of the gas sensor module is calibrated using a span mixture containing a known concentration of the gas of interest. The concentration of the span gas should be between the high alarm point and full scale.

Calibration requires application of the span gas to the sensor and adjustment of the SPAN potentiometer to make the module signal output equivalent to the concentration of the sample gas.

Equipment Required

The following tools and equipment will be required for calibration:

- Jewelers Screwdriver
- Calibration Gas
- Digital Volt Meter (DVM) 3½ digit
- Calibration Adapter 5358-01

Calibration Procedure

To begin calibration remove the cover from the Module enclosure, and proceed according to the instructions below:

- 1 Connect a DVM to the sensors ground (GND) and Signal Out test jacks.
- 2 Install the Calibration Adapter into the bottom of the sensor.

3 Apply the Span Calibration Gas, 50 PPM ammonia, at a minimum flow rate of .3LPM.

4 Allow 5 minutes before making any adjustments.

5 If necessary adjust the SPAN pot so that the DVM attached to the SIGNAL output displays 2.0 volts.

6 Apply the Air Zero Calibration Gas at a minimum flow rate of .3LPM.

7 Allow 5 minutes before making any adjustments.

8 If necessary adjust the ZERO pot so that the DVM attached to the signal output displays 0.0 volts +/- 0.1 volts.

