

Technical Bulletin

Sensor Calibration Policy

Introduction

Infrequent calibration of sensors will cause inaccurate gas detection readings and possibly result in the failure to detect gas leaks resulting in an unprotected zone.

Sensidyne gas detectors are tested and calibrated at the factory with the target gas prior to shipment. To maintain safe operation, all gas detectors require a zero check and gas verification upon installation and at regular intervals in accordance with instructions in the User Manual.

Failure to calibrate and operate Sensidyne gas detectors in accordance with their User Manuals could result in product malfunction.

Factory Recommended Procedures

After installation and stabilization of the gas detector, qualified personnel must verify calibration by applying zero and span gases. This procedure should be performed at initial commissioning and then repeated 30 and 60 days thereafter, with deviations in zero and span recorded. The gas detector should then be calibrated at intervals dependent upon the application, but no less often than once every 90 days, except for infrared sensors which have a maximum 180 day calibration interval.

Sensors must always be calibrated upon installation¹ and after a gas alarm.

For further information on industry standards for sensor calibration, please refer to *Recommended Practice for the Installation, Operation, and Maintenance of Combustible Gas Detection Instruments* (ANSI/ISA TR12.13.02-2003) published by the ISA.

Support and Assistance

For questions regarding Sensidyne recommended calibration procedures, to learn about the Sensor Exchange program, or to request on-site calibration service contact Sensidyne Gas Detection Service:

GasDetectionService@Sensidyne.com or call 800-451-9444 / +1 727-530-3602 x 783.

¹ Calibration upon installation is not required for sensors provided as part of the Sensidyne Sensor & Calibration Exchange Program or calibrated on site through the transportable calibration feature.

