



## AG02

### Nitrogen Dioxide Sensing Element

#### Product Overview

The AG02 nitrogen dioxide (NO<sub>2</sub>) sensing element is designed to work with the Veris GWN Series gas platform unit to provide accurate monitoring of NO<sub>2</sub> levels. Common sources of NO<sub>2</sub> include exhaust from diesel engines and diesel powered generators. The sensor is calibrated at the factory, so no field calibration is needed. The AG02 is warranted to meet accuracy specifications for two years from the date of manufacture.

#### NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

No responsibility is assumed by Veris Industries for any consequences arising out of the use of this material.

#### Specifications

|                                    |                               |
|------------------------------------|-------------------------------|
| <b>Sensor Type</b>                 | Electrochemical               |
| <b>Measurement Range</b>           | 0-15 ppm                      |
| <b>Accuracy</b>                    | ±5% of range at 25°C          |
| <b>Resolution</b>                  | 0.1 ppm                       |
| <b>Sensor Warranty</b>             | 2 years from manufacture date |
| <b>Low Level Setpoint</b>          | 1 ppm (fixed)                 |
| <b>High Level Setpoint</b>         | 3 ppm (fixed)                 |
| <b>Operating Temperature Range</b> | -20° to 50°C (-4° to 122°F)   |
| <b>Operating Humidity Range</b>    | 0-90% RH noncondensing        |

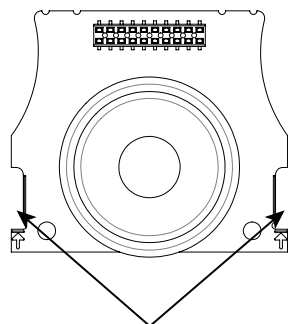
*The AGxx sensors work only with Veris GWN Series gas platform devices.*

## Installation

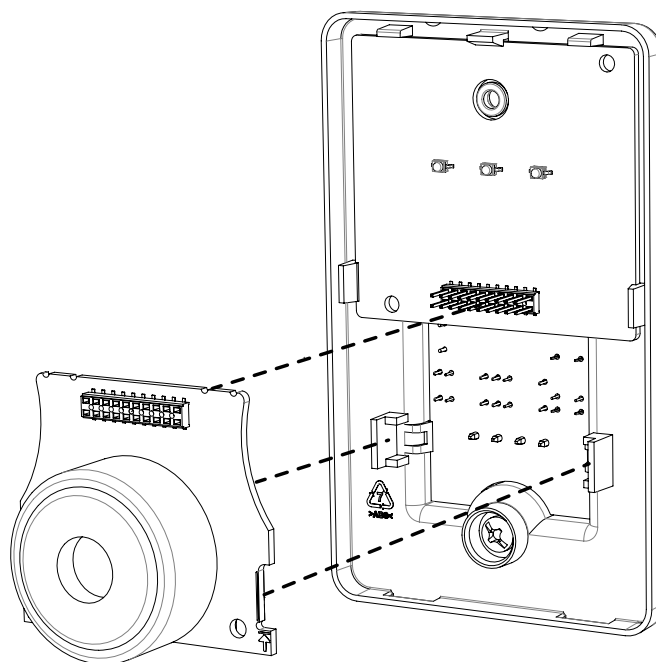


Observe precautions for handling static sensitive devices to avoid damage to the circuitry that is not covered under the factory warranty.

1. Disconnect and lock out all power sources before beginning the installation of the sensor.
2. Install the GWN Series gas platform according to the instructions included with that device.
3. Remove the front cover from the GWN Series gas platform device.
4. Use the grooves on the sides of the AGO2 to correctly position the sensor with respect to the GWN unit.
5. Press the connector block on the sensor onto the connector pins on the GWN unit.



*Use these grooves to position the sensor properly before pressing the sensor into the pin connector on the GWN board.*



6. The AGO2 sensor has fixed high and low setpoint values, so disregard the setpoint slide switch on the GWN board.
7. Replace the GWN front cover. Reconnect power.
8. Dispose of used AGO2 sensors with hazardous waste (e.g. batteries).