



# Lab Safety Equipment

# 580 SERIES

## Air Safety Monitors

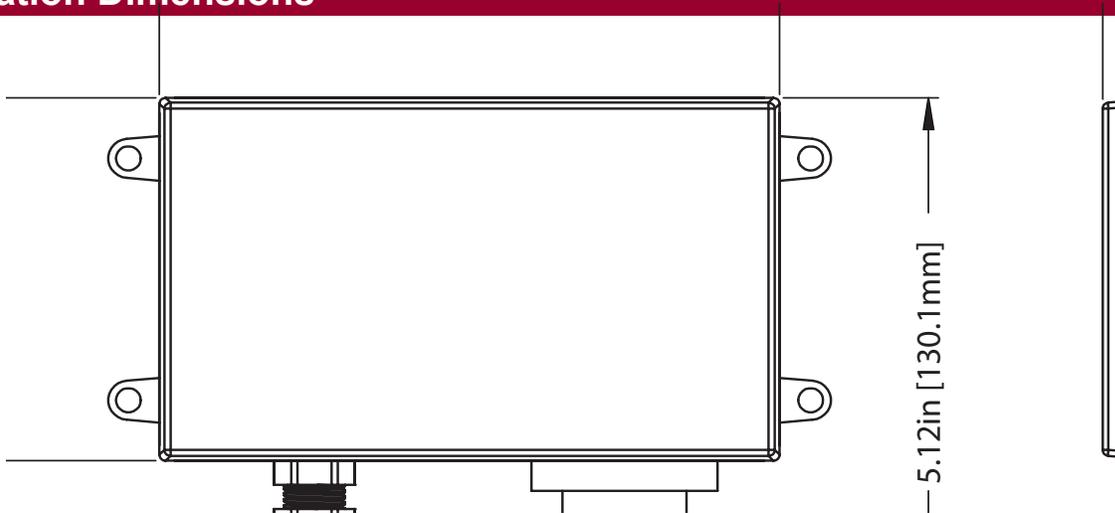
The 580 Series Oxygen Deficiency Monitor is a compact system that is ideal for the continuous monitoring oxygen levels in any area where inert gases or confined space may produce a hazardous reduction in the oxygen content of the air. This system should be installed in gas storage and use areas, cryogenic freezer rooms, laboratory or industrial locations where liquefied or compressed gases may accumulate and pose a hazard of asphyxiation as required by OSHA 29 CFR 1910. The unique long lasting zirconium sensor provides accurate and rapid response to changes in oxygen concentration over a wide range of temperature and humidity conditions and does not drift due to weather or temperature. For laboratories with incubators, grow rooms, and beverage manufacturing, the 5803007 adds excess carbon dioxide detection to the oxygen deficiency monitor to ensure a safe environment for breathing.



### Specifications

|                              |                                                 |                             |                                |
|------------------------------|-------------------------------------------------|-----------------------------|--------------------------------|
| <b>Gases Detected</b>        | Oxygen or Oxygen/Carbon Dioxide                 | <b>Weight</b>               | 1.6 lb (0.8 kg)                |
| <b>Range</b>                 | 0-25% Oxygen, 0-10,000 ppm Carbon Dioxide       | <b>Analog Outputs</b>       | 4-20 mA                        |
| <b>Accuracy</b>              | ±1% of full scale                               | <b>Relay Outputs</b>        | Dual level + fault: 24 V (2 A) |
| <b>Operating Temperature</b> | 32°F to 130°F (0°C to 55°C)                     | <b>Required Calibration</b> | None                           |
| <b>Display</b>               | 3/4" LCD digital display, back lit              |                             |                                |
| <b>Sensor Type</b>           | Zirconium oxide (Oxygen), NDIR (Carbon Dioxide) |                             |                                |
| <b>Sensor Life</b>           | 10 years under normal conditions                |                             |                                |
| <b>Power Requirements</b>    | 24 VDC (350 mA)                                 |                             |                                |

### Installation Dimensions



### Ordering Information

| Order No. | Description                                                    | Housing                          | Weight            |
|-----------|----------------------------------------------------------------|----------------------------------|-------------------|
| 580 3004  | Oxygen Deficiency Monitor with 120VAC/24 VDC power supply      | NEMA 4x (electronics and sensor) | 1.6 lbs (0.8 kg)  |
| 580 3007  | Oxygen/Carbon Dioxide Monitor with 120 VAC/24 VDC power supply | Polycarbonate                    | 1.6 lbs (0.8 kg)  |
| 580 3005  | Remote Display (4-20 mA)                                       | NEMA 4x                          | 0.5 lbs (0.23 kg) |
| 580 3006  | Horn and Strobe [Red] (80-100 dB)                              | NEMA 4x                          | 1.0 lbs (0.45 kg) |