



Dependable Gas Analysis Solutions

## 560 SERIES

### AMBIENT AIR ALARM MONITOR FOR SULFUR DIOXIDE



#### APPLICATIONS

Designed to monitor ambient sulfur dioxide ( $\text{SO}_2$ ) near industrial processes, in confined spaces, or any other area where  $\text{SO}_2$  may be present.

#### FEATURES

- Fast response to the presence of  $\text{SO}_2$
- Instant warm up, no wait
- Bright digital readout
- Easy to use and calibrate
- Modular layout that is easy to maintain
- 4-20mA output signal for recording
- NEMA 12 dust-tight enclosure

#### OPTIONS

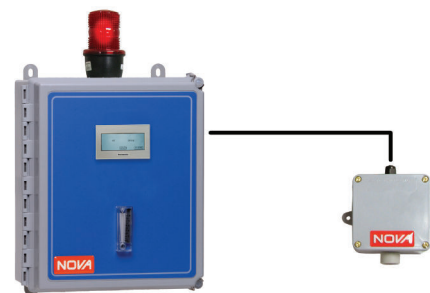
- Low flow alarm on pumped sample models
- NEMA 4 weather-proof enclosures
- Alarm with relay contact and 'Sonalert' audible alarm with 'Acknowledge' button
- Bright red strobe light for visible alarming

#### CALIBRATION

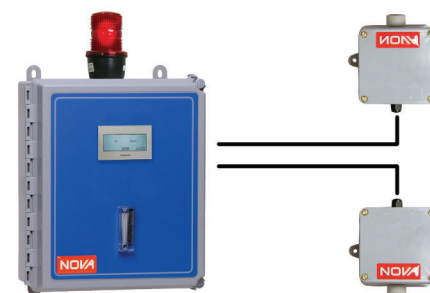
- On  $\text{N}_2$  for zero
- Analyzed calibration gas of  $\text{SO}_2$  in  $\text{N}_2$  for span



560D - Diffusion Style  
560P - Pump Style



560DR1 - Alarm Unit and Single Diffusion-Style Sensor in Separate Enclosures



560DR2 - Alarm Unit and Dual Diffusion-Style Sensors in Separate Enclosures

## DESCRIPTION

The Nova 560 Series Sulfur Dioxide (SO<sub>2</sub>) alarm monitors are designed for the continuous detection of SO<sub>2</sub> in ambient air. The SO<sub>2</sub> sensor is capable of excursions over 100 PPM with no damage. The SO<sub>2</sub> sensor is of the disposable electrochemical type with an expected life of between 2-3 years. The sensor needs no warm up time and is ready to go as soon as the monitor is turned on.

## MODELS

- 560D - one diffusion-type sensor in main cabinet
- 560DR1 - one diffusion sensor remote from main cabinet
- 560DR2 - two remote diffusion sensors
- 560DR3 - three remote diffusion sensors
- 560DR4 - four remote diffusion sensors
- 560P - built-in sample pump to draw in sample from another location

## SPECIFICATIONS

*Nova reserves the right to specification changes which may occur with advances in design without prior notice.*

<b>Method of Detection:</b>	Customer replaceable electrochemical SO <sub>2</sub> sensor. Life expectancy is 2-3 years	
<b>Ranges Available:</b>	0-50 PPM SO <sub>2</sub>	
<b>Resolution:</b>	1 PPM SO <sub>2</sub>	
<b>Accuracy and Repeatability:</b>	Better than 1% of full scale	
<b>Drift:</b>	Less than 1% of full scale per week	
<b>Response Time (T-90):</b>	Less than 60 seconds to 90% step change	
<b>Ambient Temperature Range:</b>	32° to 120°F (0° to 40°C), 0-90% non condensing	
<b>Linearity:</b>	± 1% of full scale	
<b>Size and Weight:</b>	20" H x 16" W x 10" D @ 20lbs. (51 x 41 x 26 cm @ 10kg)	- may vary slightly depending on model and options selected.
<b>Power:</b>	115VAC 60Hz (220VAC 50Hz available)	
<b>Output Options:</b>	4-20mA non-isolated	
<b>Alarms:</b>	Optional High and/or Low alarm with SPDT contacts with 10A 115VAC rating, audible alarm with reset button, and indicator light for each alarm level; optional Low Flow alarm and strobe light also available	

## UNIQUE APPLICATIONS

All Nova analyzers are built using proven technologies and techniques. However, the 560 Series is not suitable for many process or flue gas applications. If this product does not suit your application, please contact Nova at 1-800-295-3771. In many cases, we are able to build an analyzer specific to your needs.



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