

NOVA 580 SERIES

CARBON MONOXIDE ALARM MONITORS

APPLICATIONS

Underground parking garages, service garages, around steelmaking furnaces, breathing air monitoring or any area where CO may be present.



Model 580D shown with optional strobe

OPTIONS

- “Fail Safe” alarms available
- Strobe light
- Heated and weatherproof enclosures for outdoor use
- Low flow alarm (Models 580P and 580BA)
- Special “hydrogen immune” sensor
- NEMA 4X enclosure

FEATURES

- Fast response to the presence of CO
- Instant warm up - no waiting
- LED digital readout - no reading errors
- Built in “Sonalert” audible alarm
- Two alarm levels - “alert” and “alarm”. Acknowledge button to silence audible alarm
- Easy to use, maintain and calibrate
- Output signal for recording
- Model 580P has built in pump and flowmeter
- NEMA 12 wall mounted fiberglass enclosure is standard

NOVA ANALYTICAL SYSTEMS INC.

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DESCRIPTION

The 580 Series Carbon Monoxide Alarm Monitors are designed for the continuous detection of CO in ambient air or in breathing air (580BA). The CO sensor is capable of excursions of over 1000 PPM with no damage.

The CO sensor is of the disposable electrochemical type with an expected life of between 3-4 years. The sensor needs no warm up time and is ready to go as soon as the monitor is turned on.

Four versions of the 580 CO Alarm Monitor are available:

580D - Diffusion type sensor designed for use in garages, around furnaces or processes where CO may be present.

580P - Designed similar to 580D but with built in sample pump to draw in sample from another location

580BA - Breathing Air Monitor for compressed air lines with pressure

regulator and a special 0-50 PPM low range CO sensor.

580R - Remote Diffusion Sensor generally used in multiples connecting back to a central power supply and alarm scanner. *(See separate brochure on this model.)*

A special "hydrogen immune" sensor is available for applications where PPM levels of hydrogen may also be present.

SPECIFICATIONS

DESCRIPTION	
Ranges Available	0-200 PPM standard on all models except 580BA which has 0-50 PPM sensor.
Accuracy and Repeatability	Better than 1% of full scale
Drift	Less than 1% full scale per week
Warm Up Time	None
Response Time	Less than 15 seconds to 90% of step change
Operating Temperature Range	32-120° F (0 to 40°C)
Operating Humidity Range	0-90% non-condensing
Readout	LED digital (all except 580R)
Power	115VAC 50/60 Hz. 220/240V also available
Enclosure	NEMA 12 standard; NEMA 4 optional. Panel mount also available - add PM to suffix of model number
Alarms	Dual high CO alarm lights and relays. Relays SPDT - 5A @ 230VAC rating. Audible alarm with acknowledge button included
Options Available	Strobe light and/or large audible alarm horn available as options. Low flow alarm available on Models 580P and 580BA.
Size and Weight	12" H x 10" W x 7" D @ 12 lbs. (30 x 25 x 17.5 cm @ 5.4 kg)

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

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