

# NOVA

## MODEL 540 SERIES

### CHLORINE ALARM MONITORS

## APPLICATIONS

*Water treatment plants, chlorine production plants, commercial swimming pools or anywhere where chlorine is being handled or stored.*



Model 540D



Model 540DR1

Optional strobe shown

## FEATURES

- Fast response to the presence of chlorine in the air
- 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 540D is diffusion sampling (no purge required)
- Model 540P has built in pump and flowmeter
- NEMA 12 wall mounted fiberglass enclosure is standard

## OPTIONS

- “Fail Safe” alarms available
- Strobe light
- Heated and weatherproof enclosures for outdoor use
- Low flow alarm (Model 540P)
- NEMA 4X enclosure (weatherproof)
- Remote sensor (540DR1 or DR2)

**NOVA ANALYTICAL SYSTEMS INC.**  
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## DESCRIPTION

The 540 Series Chlorine Alarm Monitors are designed for the continuous detection of CL<sub>2</sub> in ambient air. The CL<sub>2</sub> sensor is capable of excursions of over 100 PPM with no damage.

The CL<sub>2</sub> 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 540 CL<sub>2</sub> Alarm Monitor are available:

**540D** - Diffusion type sensor designed for use in garages, around furnaces or processes where CO may be present.

**540DR1 or 540DR2** - Same as 540D, except one or two sensors are remote from alarm unit.

**540P** - Designed similar to 540D but with built in sample pump to draw in sample from another location

**540R** - Remote Transmitter generally used in multiples connecting back to a central power supply and alarm scanner. (See separate brochure on this model.)

## SPECIFICATIONS

DESCRIPTION	
<b>Ranges Available:</b>	0-20 PPM standard on all models. (Other ranges available)
<b>Accuracy and Repeatability:</b>	Better than 1% of full scale
<b>Drift:</b>	Less than 1% full scale per week
<b>Warm Up Time:</b>	None
<b>Response Time:</b>	Less than 15 seconds to 90% of step change
<b>Operating Temperature Range:</b>	32 to 120° F (0 to 40°C)
<b>Operating Humidity Range:</b>	0-90% non-condensing
<b>Readout:</b>	LED digital (all except 540R)
<b>Power:</b>	115VAC 50/60 Hz. 220/240V also available. (540R is 12-24VDC)
<b>Enclosure:</b>	NEMA 12 standard; NEMA 4 optional. Panel mount also available - add PM to suffix of model number
<b>Alarms:</b>	Dual high CL <sub>2</sub> alarm lights and relays. Relays SPDT - 5A @ 230VAC rating. Audible alarm with acknowledge button included
<b>Options Available:</b>	Strobe light and/or large audible alarm horn available as options. Low flow alarm available on Model 540P.
<b>Size and Weight:</b>	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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