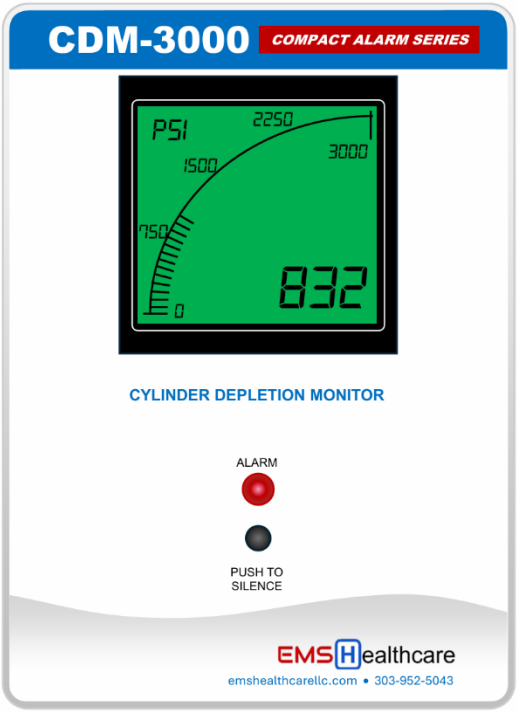
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CDM-3000 Gas Cylinder Depletion Monitor

Key Features

- **0-3,000 psig Pressure Sensor**
- **Easy-to-read Digital + Bar Graph Display**
- **Multi-color backlight changes to flashing Red in alarm**
- **Additional Red Alarm LED with 150 deg viewing angle**
- **“Contents Low” Warning below 750 psig**
- **“Cylinders Depleted” Alarm below 230 psig**
- **Two relay outputs for remote monitoring**
- **4-20mA Output**
- **95dB Audible horn with silence pushbutton**
- **Nema 4 Enclosure (Indoor / outdoor rated)**



Description

The **CDM-3000** is the newest product in our Compact Alarm Series. It was specifically designed for use in single bank high pressure gas cylinder systems. The monitor provides indication of gas pressure levels both numerically and graphically, and alarms when cylinders are depleted. An additional “contents low” pre-alarm is provided to alert the user that contents are getting low prior to the actual “depleted” condition / alarm.

The **CDM-3000** performs continuous pressure monitoring using a highly accurate, calibrated pressure sensor rated for 3,000 psig. The display unit includes both audible and visual indicators for low pressure conditions and a button to silence the audible alarm. Additional display units can be added to the system for pressure and alarm indication in another location. Two relay outputs are included for connection to remote alarm panels or a building automation system. Alarms can be set as latching, requiring personnel to push the reset/silence button to clear the alarm. The default is unlatched so the alarm indication will self-clear once pressure levels return within limits.

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Specifications

Model Number		**CDM-3000**
Description		Gas cylinder pressure monitoring for single bank high pressure gas cylinder systems. If cylinder depletion occurs, a local visual/audible alarm is triggered.
Performance	**Response Time**	Within 1 second of any change in oxygen levels
	Accuracy	± 0.4% of FS
	Repeatability	± 1% of reading
	Operating Temp	-4° to 257°F (-20° to +125°C)
Oxygen Monitoring	**Range**	0 – 3000 psig
	Sensor Gas Interface	1/4" NPT male threaded connection
	Sensor Electrical Interface	M12 4-pole connector with keyway (5m connectorized cable included) for connection to the installed pressure sensor
Alarm	**Local Alarm**	Red light on front panel and 95dB audible buzzer when oxygen levels are outside safe limits
	Two Relay Outputs	2-wire dry contact, normally open relays commanded closed during normal operation (opens on alarm below 230 psig or loss of power). Can be connected to Facility Alarm Panel or Building Automation System.
Electrical	**Voltage Source**	110-120 VAC, 60 Hz (internal power supply includes short circuit/overload/over-voltage protection)
	Power (max)	5 Watts including pressure transducer
Physical (Control Unit)	**Dimensions**	5" (W) x 7" (H) x 3" (D)
	Weight	6.5 pounds (2.9 kg) including transducer and wiring
	Enclosure Type	NEMA 4X rated, polycarbonate, indoor/outdoor use

Protections: Short circuit / Overload / Over-voltage

Optional Accessories



Power Cord

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