

LDPMS



PRESSURE MONITORING SYSTEM



The LDPMS is a stand-alone pressure monitoring system design to monitor the pressure of a gas source. It can monitor up to 2 gas sources simultaneously and generate an independent low-pressure alarm when the pressure level of a source is below its setpoint. If the pressure level for both sources is below the setpoint, a second alarm is generated, and a buzzer is activated. The pressure sensors use are heavy duty series operating from a low-pressure range of 0-50psig(0-6bar) up to 0-8000psig(0-550bar).

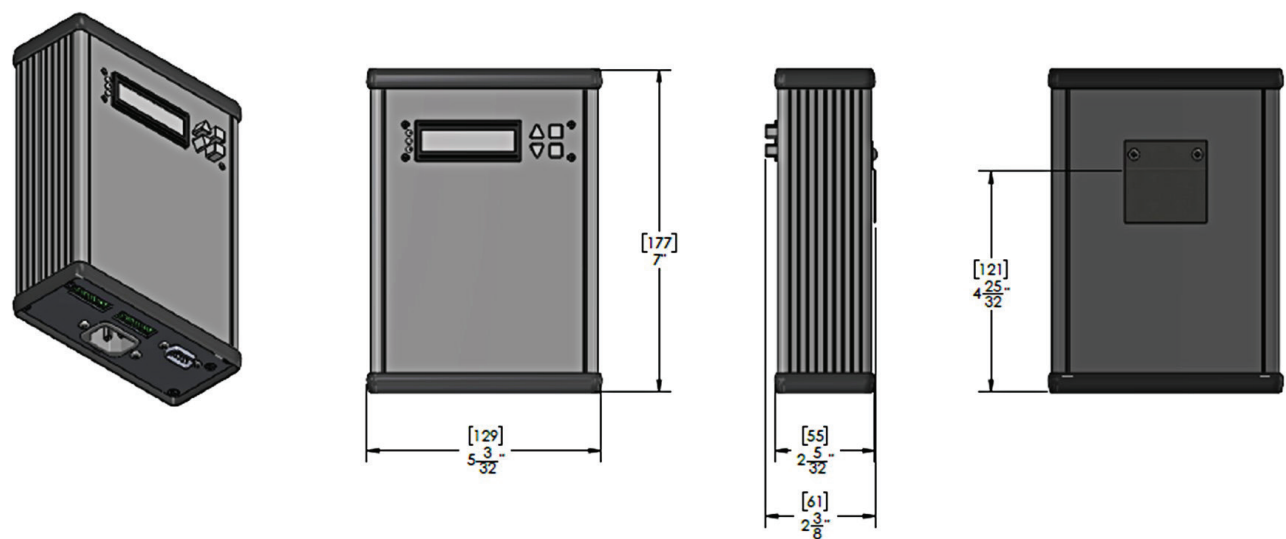
APPLICATIONS:

- Industrial / medical / laboratory
- Gas chromatography
- Gas cylinders
- Gas analysers
- Gas detectors
- Compressors
- Hydraulics
- Oil and gas

SPECIFICATIONS

HIGH PRESSURE RANGE MODEL (DEFAULT)	0-3000 psig (0-350 bar) other ranges available on request from scale 0-1000 psig (0-160 bar) to 0-8000 psig (0-550 bar)	
LOW PRESSURE RANGE MODEL (DEFAULT)	0-200 psig (0-25 bar) other ranges available on request from scale 0-50 psig (0-6 bar) to 0-500 psig (0-100 bar)	
PRESSURE SENSOR MATERIAL	Stainless Steel with media-isolated metal diaphragm	
PRESSURE SENSOR GAS CONNECTION (DEFAULT)	¼ NPT other gas connection type available on request	
PRESSURE SENSOR RATED	IP65	
ACCURACY	+/- 0.25% full scale	
OPERATING VOLTAGE	85 ~ 264 VAC	
OPERATING CURRENT	< 0.1A	
OPERATING FREQUENCY	50-60Hz	
RELAY OUTPUTS (4X)	Dry contact N.O & N.C	• Relay 1: Status system working • Relay 2: Source 1 low pressure alarm • Relay 3: Source 2 low pressure alarm • Relay 4: Source 1&2 low pressure alarm with buzzer
COMMUNICATION	Serial port RS232 with Modbus RTU (male DB9 connector)	
OPERATING TEMPERATURE	-20 °C to 70 °C (-4 °F to 158 °F)	
OPERATING TEMPERATURE FOR PRESSURE SENSORS	-40 °C to 125 °C (-40 °F to 257 °F)	

DIMENSIONS



TYPICAL INSTALLATION

Installation on a switchover system to monitor the pressures and then maintain the carrier gas on a gas chromatograph system.



ORDERING INFORMATION

LDPMS	-XX	-XXX
	HP: High pressure (0-3000psig) LP: Low pressure (0-200psig)	NP4: NPT 1/4 NP8: NPT 1/8 NP2: NPT 1/2



990 Monfette Est, Thetford Mines, (Qc), Canada, G6G 7K6
Phone: 418 755-1319 • Fax: 418 755-1329 • info@ldetek.com

www.ldetek.com