



## Customizable settings

- Use hibernate mode on the CO and H<sub>2</sub>S models for up to one year additional operating life
- Custom or factory-programmed alarm set points
- User configurable bump and calibration reminders
- Multiple LCD display options including real-time gas readings, monitor life remaining or both
- Three point alarms (audible, visual and tactile)
- Data-logging capabilities
- Name or assign monitors using a six-character user ID

## Accessories



PROTÉGÉ ZM  
TEST STATION

## Required computer and operating system

- PCs running the Microsoft Windows operating system and Microsoft .NET framework, using Microsoft Windows® XP, Microsoft Windows® Vista and Microsoft Windows® 7 programs

**For More Information Please Contact LineStar Directly**

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Product	
<b>Protégé ZM gas monitors</b>	
	Protégé ZM Single Gas CO Monitor (High Vis Red)
	Protégé ZM Single Gas H <sub>2</sub> S Monitor (High Vis Red)
	Protégé ZM Single Gas O <sub>2</sub> Monitor (High Vis Red)
<b>Protégé ZM gas test stations</b>	
	Portable test station
	Protégé ZM stationary test station
<b>Protégé ZM accessories</b>	
	Protégé IR Connect with usb cable
	Protégé IR Connect spare usb cable
	Protégé ZM alligator clip
	Protégé ZM calibration cup
	H <sub>2</sub> S single gas cylinder
	CO single gas cylinder
	O <sub>2</sub> single gas cylinder
	Regulator 2al/al/6d 0.5Lpm
	10-Ft. Clear tubing
	10-Ft. Polyethylene tubing

Monitor specifications	
<b>Physical characteristics</b>	
Size	3.7" H x 2.2" W x 1.3" D
Weight	2.7 Oz
Operation	One-hand operation
Carrying attachments	Stainless steel alligator clip
Case material	Impact-absorbant rubber overmold
Environmental protection	IP 66/67 (third-party certified)
<b>User interface</b>	
Display info	Time remaining (default) or gas reading (optional) or both (optional), gas type, functional test validation, bump test due indicator, battery level
<b>Monitoring</b>	
Sensor types	CO, H <sub>2</sub> S, O <sub>2</sub>
Hibernation mode supported	CO, H <sub>2</sub> S
Sensor ranges	CO: 1-300 ppm, H <sub>2</sub> S: 1-100 ppm, O <sub>2</sub> : 1.0-30.0% Volume
<b>Power</b>	
Power source	Lithium ion battery
Battery life indication	Yes
Battery life	2 Years, hibernate mode extends life up to one additional year on CO and H <sub>2</sub> S models
<b>Alarms</b>	
Visual alarm	Yes - red led
Audible alarm	Yes - 95db
Vibrating alarm	Yes
Alarm set points	Pre-programmed default settings; customized factory settings available; configure use settings via software and the IR Connect or test station accessories
<b>Data storage</b>	
Data logging	Logs last 25 events
Data retention	Yes - backup to PC
Data transmission	Infrared
<b>Certifications</b>	
EMC compliance	CE marked; EMC\EMI\RFI compliant
Explosive atmospheres	ETL/CETL certification to UL 913 7th, CSA c22.2 No. 157 For use in Class I Division 1 & 2, Groups A, B, C and D Hazardous areas; IECEX Ex ia IIC T4 GA; Atex Directive (94/9/EC) Atex II 1 G Ex ia IIC T4 GA
Approvals	CE mark includes both Atex & EMC testing
Approved temperature ranges	-30°C to 50°C (CO) -40°C to 50°C (H <sub>2</sub> S) -50°C to 50°C (O <sub>2</sub> )
<b>Environment</b>	
Humidity	5 - 95% RH non-condensing

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