



TELEDYNE
GAS AND FLAME DETECTION
Everywhere you look™

Protégé ZM
Single gas monitor



Protégé ZM

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Keeping Your Workforce Safe Just Got Easier.



The Protege ZM Single Gas Monitor is an easy-to-use, zero-maintenance gas detection solution that delivers high performance in a small, ergonomically designed package. This single gas monitor is incredibly reliable, giving industrial workers and first responders the confidence to focus on the task at hand, not on their equipment.

Two years of service, hassle free.

With one-button activation, adjustable alarm settings and an easy-to-read display the Protégé ZM is simple to use. Just turn it on for the first time, and the monitor does the rest. Using the default settings from the factory there is no need to set up or program the monitor. Once activated, the Protégé ZM monitor does not require charging or calibration so these monitors can be deployed in the field 24 hours a day, every day for two years, maintenance and hassle free.

Big Performance in a Small Package.

Because of its small size and strong, stainless steel alligator clip, the Protégé ZM can be conveniently placed where you want it. The monitor is small, lightweight, ergonomically designed and meets IP67 requirements for ingress protection. The unique Protégé ZM profile fits your hand nicely, making the monitor comfortable to hold. It's so lightweight and small you will forget you're wearing it while it protects you.

Easy to use, efficient, portable accessories.

the Protégé ZM monitor is supported by a portfolio of accessories including a four-bay test station and IR Connect programmer. The test station stores data, programs the monitors and supports bumping, calibrating, hibernating and programming of up to four monitors simultaneously. The test station's simple two-button operation and intuitive design means you'll be up and running in no time.

The IR Connect allows programming and hibernating of individual monitors. You can also use the IR Connect to calibrate your monitor and download event logs.

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Customizable settings

- Use hibernate mode 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



IR CONNECT MODULE



TEST STATION

Protégé ZM

Specifications

Protégé ZM gas monitor

Protégé ZM Single Gas SO₂ Monitor (High Vis Red)
Protégé ZM Single Gas CO Monitor (High Vis Red)
Protégé ZM Single Gas H₂S Monitor (High Vis Red)
Protégé ZM Single Gas O₂ Monitor (High Vis Red)

Protégé ZM accessories

Protégé IR Connect with usb cable
Protégé IR Connect spare usb cable
Protégé ZM alligator clip
Protégé ZM calibration cup
Regulator 2al/al/6d 0.5Lpm
10-Ft. Clear tubing
10-Ft. Polyethylene tubing

Physical characteristics

Size 3.7" H x 2.2" W x 1.3" D
Weight 3.2 Oz (92g)
Operation One-hand operation
Carrying attachments Stainless steel alligator clip
Case material Impact-absorbant rubber overmold
Environmental protection IP 66/67 (third-party certified)

User interface

Display info Time remaining (default) or gas reading (optional) or both (optional), gas type, functional test validation, bump test due indicator, battery level

Monitoring

Sensor types CO, H₂S, O₂, SO₂
Hibernation mode supported CO, H₂S
Sensor ranges CO: 1-300 ppm, H₂S: 1-100 ppm, O₂: 1.0-30.0% Volume, SO₂: 0-50ppm

Power

Power source Lithium battery
Battery life indication Yes
Battery life 2 Years, hibernate mode extends life up to one additional year (H₂S and CO models only)

Alarms

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

Data storage

Data logging Logs last 25 events
Data retention Yes - backup to PC
Data transmission Infrared

Certifications

EMC compliance CE marked; EMC\EMI\RFI compliant
Explosive atmospheres QPS ML3448-1 CLASS I DIVISION 1, Groups A, B, C and D
IECEX ia IIC T4 Ga; ATEX ia IIC T4 Ga
Approvals CE mark includes both Atex & EMC testing
IP 67 Rated: 3rd-party tested for compliance, EMC: EMC Directive (2004/108/EC) CE Mark

Temperature range

-40°C to 50°C (SO₂ & H₂S)
-30°C to 50°C (CO)
-50°C to 50°C (O₂)

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