

BID SPECIFICATION

PROTÉGÉ ZM SINGLE GAS MONITOR

Physical Characteristics	
Size	3.7" H x 2.2" W x 1.3" D (9.40cm H x 5.60cm W x 3.30cm D)
Weight	2.7 oz (76.5g)
Operation	One hand operation
Case Material	Impact absorbant rubber overmold
Environmental Protection	IP 66 / IP 67 (3rd Party Certified)
Display Location	Front display
Carrying Attachments	Stainless Steel Alligator clip
Product Name	Protégé ZM
Primary Color	High Visibility Red
User Interface	
Screen	LCD
Visual	Continuous visual display, no user interaction required
Display Info	Time Remaining (Default) or Gas Reading (Optional) or both (Optional), Gas Type, Functional Test Validation, Bump Test Due Indicator, Battery Level
Alarms	Visual, Audible, Vibration
Alarm Duration	Alarms will be active while hazardous condition is present
Buttons	1 Button
Data Access	Non-instrusive via infrared
Bump Test	Display will indicate "BUP" if bump test is required (user configurable)
Calibration Test	Display will indicate "CAL" if calibration is required (user configurable)
Self Test	Display will indicate "TEST" if self test is required (user configurable)
Monitoring	
Instrument Activation	Activation by pressing and holding button on front side
Sensor Types	CO, H ₂ S, O ₂
Hibernation Mode Supported	CO and H ₂ S only
Sensor Ranges	CO: 1 - 300 ppm H ₂ S: 1 - 100 ppm O ₂ : 1.0 - 30.0% Volume
Power	
Battery Type	Lithium Ion
Battery Life Indication	Yes
Battery Life	2 Years
	Use of Hibernate Mode can extend battery life up to one additional year on CO and H ₂ S models

Alarms	
Visual Alarm	Yes - 3 Red LED Bars
Audible Alarm	Yes - 95db
Vibrating Alarm	Yes
Alarm Set Points	Default settings pre-programmed
	Customized settings from factory are available
	Settings user configurable via software and the IR Connect or Test Station accessories
Calibration	
Calibration Recommendation	O ₂ : Monitor default reminds user to calibrate every 30 days (user configurable) CO, H ₂ S: Monitor default does not require calibration (user configurable) Calibration possible if bump test fails
Calibration Set Points	Default settings pre-programmed
	Settings user configurable via software and the IR Connect or Test Station accessories
Data Storage	
Event Logging	Yes, up to 25 events
Record Content	Serial Number, Valid Bump Test, Life Remaining, Number of Self Tests Performed, Number of Events, Alarm Condition, Specific Event Date and Time, Peak Gas Reading
Data Retention	Yes - backup to PC
Data Transmission	Infrared
Certifications	
Explosive Atmospheres	ATEX Directive (94/9/EC) ATEX II 1 G Ex ia IIC T4 Ga
Approvals	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 EMC Compliant: CE, FCC, IC, C-Tick
Approved Temperature Ranges	-30°C to 50°C (CO) -40°C to 50°C (H ₂ S) -50°C to 50°C (O ₂)
Environmental	
Humidity	5 - 95% RH Non-condensing
Maintenance & Warranty	
Maintenance	No maintenance required.
Warranty	O ₂ , CO, H ₂ S: 2 years of operation or for 3 years from date of shipment, whichever occurs first
Supported Operating Systems	
Microsoft	Windows XP, Windows Vista, Windows 7

Product Software	
Protégé ZM Firmware	Field upgradeable. Firmware updates available via website
Software	Protégé ZM software on product CD (updates available via website)
Accessories Included with each Protégé ZM	
Stainless Steel Alligator Clip	Attached at factory
Calibration Cup	For manual bump testing and calibration
Quick Start Guide	Printed card
Product CD	Mini CD format with complete user manual and translations, Declaration of Conformity, IR Connect Software, Test Station Software
Optional Accessories	
Test Station - Portable	Protégé ZM Portable Test Station
Test Station - Stationary	Protégé ZM Stationary Test Station
IR Connect	Protégé IR Connect

Monroe Corporate Center • P. O. Box 569 • Monroe, NC 28110
Telephone: 800.247.7257 • Facsimile: 704.291.8330
www.ScottSafety.com • sh-sale@tycoint.com

© 2012 Scott Safety. SCOTT, the SCOTT SAFETY Logo, Scott Health and Safety, and Protégé ZM Single Gas Monitor are registered and/or unregistered marks of Scott Technologies, Inc. or its affiliates.

H/S 7063 12/12 ISO 9001 Registered. All rights reserved.

