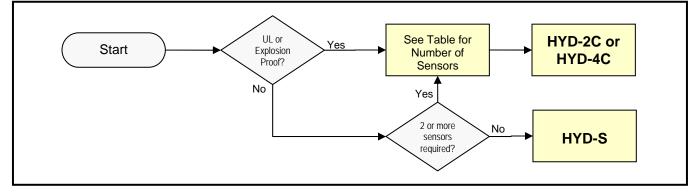


Hydrogen Gas Monitor Features and Selection Guide



	Standa	rd System Selection (Note 1)		
Battery Room Size (Note 1)	Number of Sensors	HYD-S	HYD-2C	HYD-4C
Less than 1000 sq. ft.	1	HYD-S	HYD-2C-1LEL	
1000 to 2000 sq. ft.	2		HYD-2C-2LEL	
2000 to 3000 sq. ft.	3			HYD-4C-3LEL
3000 to 4000 sq. ft.	4			HYD-4C-4LEL
>4000 sq. ft.		Contact EnviroGuard for	sizing and selection	
		Typical Application		
VRLA Open Racks & Cabinets		YES	YES	
Telecom, Cell Sites		YES	YES	
Mission Critical			YES	YES
Utilities			YES	YES
Healthcare			YES	YES
	G	eneral Specifications		·
Monitor				
Number of Sensor Channels		1	2	4
Approvals			CSA	CSA
Display		LED	4 line Alphanumeric LCD	4 line Alphanumeric LCE
Enclosure Rating		ABS, Indoor Housing	NEMA-4X	NEMA-4X
Power		115VAC or 24VDC	115VAC or 24VDC	15VAC or 24VDC
Alarm Levels		2	2	3 (Note 2)
Built-in Audible Alarm		Internal, 85 db	Internal, 94 db	Internal, 94 db
Alarm Relays		2-12A Relays (Note 3)	7-10A Relays (Note 4)	13-10A Relays (Note 5)
4 – 20 mA Output			YES	YES
MODBUS (Note 6)				YES
Sensor				
Sensor		LEL	Direct Connect LEL	Direct Connect LEL
Туре		Metal Oxide Semiconductor	Catalytic	Catalytic
Approvals			UL or CSA	UL or CSA
Housing J-Box			Explosion Proof	Explosion Proof
Maximum mounting distance from monitor (Note 7)		30 ft.	500 ft.	500 ft.
		Accessories		
Calibration Kit		HYD-S-Calibration	HYD-2C-Cal	HYD-2C-Cal
Battery Backup			HYD-SBU	HYD-SBU

Industry guideline for sensor spacing is 40 to 50 feet apart. Assumptions are: typical ceiling height of 12 ft., room width is no less than 60% of 1. length and battery racks are spaced evenly within room. Contact EnviroGuard for confirmation and non-common room configurations. Alarm levels are programmable.

2. 3. One relay for each alarm level.

10 amp rated (at 115VAC). Two relays for alarm levels per channel, plus two relays for common and 1 common fail. 4.

10 amp rated (at 115VAC). Two form "C" contacts per channel (configurable). Five common relays: Alarm 1, Alarm 2, Alarm 3, All Alarms & Fail. Modbus RTU output standard, fully configurable, 2-wire RS-485, 1200 to 19.2 baud. 5. 6.

7. Sensor/Transmitters required for greater than 500 ft. between monitor and sensor. Consult EnviroGuard for more information.