

Item #1: Chlorine Fixed Gas Detector and Transmitter*locally driven audible or visual alarm**Qty**01*

Sr.No	Description	Details
1.	Intended use	Chlorine gas detector for use in hazardous area
2.	Detection limit	0-100 ppm
3.	Sensor Type	Electrochemical Cell
4.	Mounted Type	Remotely Mounted Sensor with 10meter shielded cable for connecting with transmitter
5.	Junction Box	Explosion Proof standard junction box for mounting the sensor in the field
6.	Sensor life span	Must have a long life span, typically three to five years
7.	Atmospheric Conditions	• Potentially Corrosive and Explosive • 0-95% humidity • dust/dirt, sunlight protection • -4Co to 55 Co
8.	Warm up time	≤ 1 minute
9.	Sensor Probe Protection Class	IP67
10.	Signal update time	Every one second
11.	Make	EUROPE/USA/KOREA/Equivalent
12.	Approval and Certification	UL, FM, CSA. e.g
13.	Documents	Manual and Technical Literature
Specification of Transmitter		
14.	Mounted Type	Wall- mount
15.	Input Voltage	24VDC/220VAC
16.	Analog Output	4~20mA, 0~10 V
17.	Relay	3*NO/NC Programmable Relays 1* Alarm Relay 1*Fault Relay
18.	Communication	Rs485, MOD-bus RTU Protocol
19.	Housing Material	SS316
20.	Cable Entry Point	Standard
21.	Ingress Protection Class	IP-65
22.	Make	EUROPE/USA/KOREA/Equivalent
23.	Approval and Certification	UL, FM, CSA. e.g
24.	Documents	Manual and Technical Literature

Item # 2: Portable Chlorine Gas Detectors

Sr.No	Description	Details
1.	Intended use:	Chlorine gas personal detector for use in hazardous area
2.	Detection limit:	0-100 ppm
3.	Handling	One-handed, one button operation
4.	Bump Test Indicator	Normal: Green LED flash, Checkmark fail or Expiration: RED LED flash
5.	Battery	Replacement Lithium battery
6.	Display	Large Character monochrome LCD
7.	Visual Alarm	Ultra-Bright LEDs
8.	Continuous LCD shows real time gas concentration	
9.	Audible Alarms:	Multi-tone alarm > 90 dB at 30 cm and vibrating and Visual 360°
10.	Ingress protection:	IP 65
11.	Relative Humidity	0-95% humidity
12.	Simple Automatic Calibration	
13.	Sensor life span	Three to Five years
14.	Make	EUROPE/USA/KOREA/Equivalent
15.	Approval and Certification	UL, FM, CSA. e.g
16.	Documents	Manual and Technical Literature

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Item #3: 16-Channel Controller for Displaying Detector Parameters

Sr.No	Description	Details
1.	Intended use	Precision controller accepting inputs from toxic, flammable, Oxygen, flame, smoke and heat detectors. For use in hazardous area.
2.	Capacity	8-channel with base unit, up to 16-channel with expansion unit
3.	Typical Configurations	- Local relays in transmitter to activate locally driven audible/visual alarm. - Data Recording. - Data Printing - Sixteen Channel.
4.	Type of input	2 or 3-wire mA, mV signal
5.	Output	4 or 8 isolated repeated Ma outputs
6.	Display	Color LCD touch screen, Graphic User Interface
7.	Power Supply	220VAC, 50Hz / 24VDC
8.	Communication	RS485/Mod-bus RTU
9.	Data Logging	Configuration, Logged events and data
10.	Backup battery	Lithium battery having capacity of > 30 minutes for typical system
11.	Button	Reset / Acknowledge
12.	Atmospheric Conditions	- Potentially Corrosive and Explosive 0-95% humidity -4C° to 55 C°
13.	Ingress Protection Class	IP65
14.	Approval and Certification	UL, FM, CSA. e.g
15.	Documents	Manual and Technical Literature

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