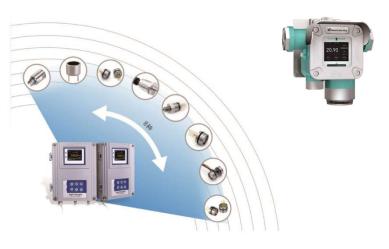
Product overview

The GDR multi-function gas detector is of military grade EMC module and capable of dealing with harsh field environment disturbance; It's of super black box function with detailed operation and alarm record, overtemperature use record, excess moisture use record and outrange use record. Pumping test and simple pretreatment capacity; Full range temperature and humidity compensation and more accurate measurement accuracy







Technical indicators

Detected gas	Combustible gas, poisonous gas and oxygen (refer to attached list of gases for the detail)	Detection principle	Catalytic oxidation, electrochemistry, infrared and PID		
Range selection	Consult the manufacturer	Resolution ratio	Based on the measuring range		
Accuracy	≤±3 % FS (normal accuracy) ≤±1 % FS (high accuracy)	Repeatability	≤1%F.S		
Response time	≤3s (T1): ≤15s (T90)	Recovery time	≤20s (T90-T10)		
Display mode	320 * 240 high-definition color screen 2.0cun	Visual range	≥10m (5.0 eyesight)		
Operating voltage	12-35VDC (typical 24VDC)	System language	Switchable between Chinese (default) and English		
Signal output: (Optional)	Consult the manufacturer for other output mode of three-wire system 4-20mA + RS-485 + WIFI + 2 relay	Environmental requirements	Operating temperature: -40°C ~ 50°C Humidity range: 10% ~ 95%RH (without condensation) Pressure range: 86KPa ~ 106KPa		
Operating mode	Key	Installation way	Wall-mounted		
Quantity of relays	Two pieces (two sets of on-off output 2A@ 30VDC 或 0.6A@125VAC)	Size:	245 * 185 * 85mm (length * width * thickness)		
Explosion-proof certification	Double explosion-proof standard Exd IICT6	Temperature and humidity compensation	Full range temperature and humidity compensation		

GDR multi-function gas detector



Product model selection

GDR		Multi-function gas online detector					
	01	Carbon oxide CO					
	02	Oxygen 2					
	03	Hydrogen sulfide H2S					
	04	Hydrogen H2					
	05	Sulfur dioxide SO2					
	06	Hydrogen peroxide (NO2					
	07	Nitric oxide NO					
	08	Chlorine Cl2					
	09	Hydrogen chloride HCL					
	10	Hydrogen phosphide PH3					
	11	Formaldehyde CH20					
	12	Ethylene oxide C2H40					
	13	Hydrazine N2H4					
	14	Hydrogen NH3					
	15	Hydrogen chloride HCN					
	16	Sulfur hexafluoride SF6					
Detected gas (Multiple choices, consult the	17	Silane SIH4					
manufacturer for the detail)	18	Hydrogen peroxide H202					
	19	Phosgene COCL2					
	20	Carbon dioxide (CLO2)					
	21	Fluorine F2					
	22	Methane (IR)CH4					
	23	Hydrogen selenide SEH2					
	24	Hydrogen chloride HF					
	25	Carbon dioxide CO2					
	26	Ethylene C2H4					



GDR multi-function gas detector

	27	Hydrogen bromide HBR							
	28	Bromine gas BR2							
Detected gas (Multiple choices, consult the manufacturer for the detail)	29	Arsenic oxide ASH3							
	30	Oxygen 3							
	31	Organic volatile TVOC							
	32	Combustible gas LEL							
		L 0~100%LEL							
		H 0-25%VOL							
Measuring range		F 0~100ppm/0-100mg/m3							
		K 0~1000ppm/0-1000mg/m3							
		W 0~10000ppm/0~10000mg/m3							
		1 RS-485							
Output signal		2 4-20mA							
Output signal		3 0~5/10V							
			4	Wireless	Wireless signal				
				1	Without	display or acousto-optic alarm			
Display and acousto-optic alarm		2 With				With display, but no acousto-optic alarm			
				With display and acousto-optic alarm					
		4 Without display, bu				display, but	t acousto-optic alarm		
		1 Diffusi				Diffusion	on type		
						hrough type (pumping type)			
Testing mode	3 Pipeline					type ional split type (≤30cm)			
						onal split type (\(\le 30cm \)) plit type (\(\le 10cm \))			
	D Special sp					Intrinsic safety type			
Explosion-proof type	E					Explosion-proof type			
						U	Internal battery power supply		
Integrated power supply mode							V	Battery and 24VDC double	
							S	selection power supply External 24VDC power supply	
								suppry	

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