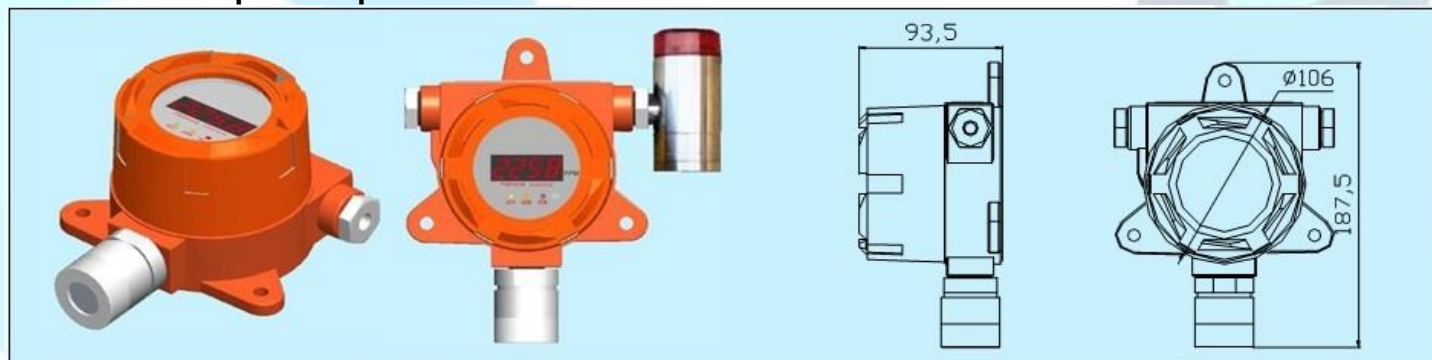


RSA-DG3EX Explosion proof Gas Detector**Applications & Features**

- Industrial die cast aluminum explosion proof housing, with the sensor module placed in a separated metal probe chamber, ensure electrically isolated from the housing
- Moisture and corrosion resistant, IP66 protection rate, can be used in various harsh and hazardous environments
- Professional high sensitivity gas sensors, stable signal, high precision, wide measuring range and good linearity
- State of art housing, easy installation
- Modular sensor assembly, easy replacement and maintenance
- Made to meet Explosion Proof standards GB 3836.1-2010 and GB 3836.2-2010 with certificate Ex d IIC T6 Gb. Suitable for Zone 1 & 2 hazardous areas where there are explosive mixtures of IIA, IIB, IIC, T1-T6 combustible gas, vapor and air

Specifications**Gases:** see the table below**Power:** 18~30VDC**Output:** 0~10V, 4~20mA (3 wires), RS485/Modbus**Relay:** SPST, 3A/30VDC**Load:** $\geq 2k\Omega$ (0-10V), $\leq 500\Omega$ (4-20mA)**Display:** LED digital display, power/fault/alarm LED indicator**Alarm:** audible & visual, $\geq 90dB@0.1m$, 1800~2400mcd**Operating condition:** combustible gas -40~70°C, toxic gas -20~55°C, 10~95%RH(Non-cond.), pressure 86~106kPa**Housing:** die cast aluminum housing, SS probe and SS sintered filter**Protection:** IP66**Agency Approval:** Ex d IIC T6 Gb,

ATEX(2014/34/EU)

EMC(2014/30/EU, EN50270)

CMC Metrological Certificate

Weight: 1.2-1.5kg**Models**

Model	RSA-DG3EX				Ex-proof Gas Detector
Gas Type & Range		1			O ₂ , 0~30% VOL
		2			H ₂ S, 0~100 ppm
		3			CH ₄ , 0~100%LEL
		4			CO, 0~100 ppm
		5			CO, 0~500 ppm
		6			CO, 0~1000 ppm
		7			NO ₂ , 0~20 ppm
		8			Combustible, 0~100% LEL
		9			Other
Output			1		0~10V
			2		4~20mA(3 wires)
			8		RS485/Modbus
Relay Output				0	NA
				2	1×SPST
Alarm				0	NA
				1	Audible & Visual Alarm

Detected Gases and Specifications

Code	GAS	Sensor type	Range	Accuracy	Repeatability	Response time	Sensor Life*	Remark
1	O ₂	Electrochemical	0-30%VOL	3%FS	2%	30S	2-3year*	Resolution 0.1% VOL
2	H ₂ S	Electrochemical	0-100 ppm	3%FS	2%	30S	2-3year*	Drift<+/-10 ppm/year
3	CH ₄	Catalytic Combustion	0-100%LEL	3%FS	2%	30S	2-3year	LEL:5.0V% Resolution 1% LEL
4	CO	Electrochemical	0-100 ppm	5%FS	2%	60S	2-3year*	Resolution 1 ppm
5	CO	Electrochemical	0-500 ppm	5%FS	2%	60S	2-3year*	Resolution 1 ppm
6	CO	Electrochemical	0-1000 ppm	5%FS	2%	60S	2-3year*	Resolution 1 ppm
7	NO ₂	Electrochemical	0-20 ppm	3%FS	2%	60S	2year *	Resolution 0.1 ppm
8	Combustible	Catalytic Combustion	0-100%LEL	3%FS	2%	30S	2-3year	LEL:5.0V%(CH ₄) Resolution 1% LEL

*: @23±3°C, 40±10%RH