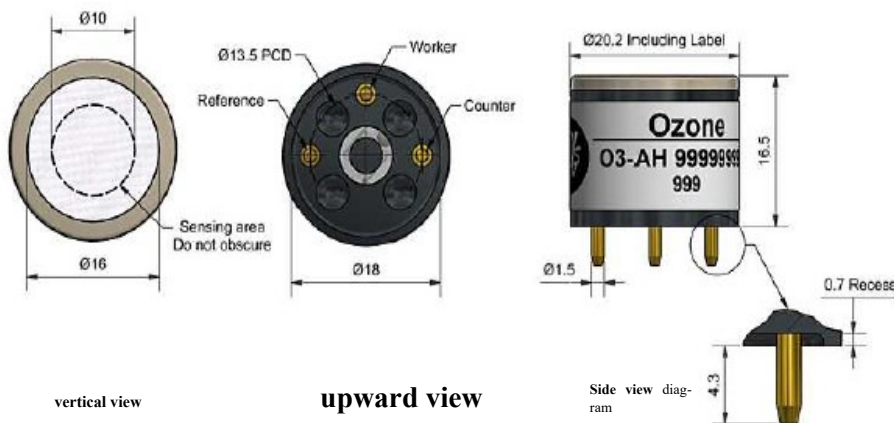


## OX-AH ozone gas sensor-high sensitivity



All dimensions are in mm ( $\pm 0.1$ mm)

function	sensitivity	<b>Sensitivity<sub>3</sub> (nA /ppm) in 1ppmO<sub>3</sub></b>	-200~ -700
	response time	Time <sub>3</sub> to 90% of the concentration at 0 to 1ppmO <sub>3</sub> (s)	< 80
	zero current	<b>Output at 20°C in zero grade air (nA)</b>	-70~70
	range	Measuring limits (ppm) that guarantee product performance	20
	degree of linearity	The ppm value of the full scale error is linear <sub>3</sub> from 0 to 20ppm	< $\pm 0.5$
	overload	Maximum ppm value of gas pulse stabilized reaction	50

life span	<b>zero drift</b>	Equivalent ppb values that change in the laboratory air from year to year	0~20
	<b>sensitivity drift</b>	Percentage change in laboratory air over the year, measured monthly	< -20~-40
	<b>working life</b>	Number of months to which the output is reduced to 50% of the original signal (24 months guaranteed)	> 24

environment	<b>-20°C sensitivity</b>	<b>2ppmO<sub>3</sub> at (-20°C output/20°C output)%</b>	60~80
	Sensitivity at 40°C	<b>2ppmO<sub>3</sub> at(40°C output/20°C output)%</b>	80~105
	-20°C when zero point	nA	0~25
	40°C at the zero point	nA	20~90

cross connection sensitivity	H <sub>2</sub> S	Gas sensitivity percentage measured at 5ppmH <sub>2</sub> S	< -80
	NO	Gas sensitivity percentage measured at 5ppmNO	< 5
	Cl <sub>2</sub>	Gas sensitivity percentage <sub>2</sub> measured at 5ppmCl	< 100
	SO <sub>2</sub>	<b>Gas sensitivity percentage<sub>2</sub> at 5ppmSO</b>	< -3
	CO	Gas sensitivity percentage measured at 5ppmCO	< -3
	C <sub>2</sub> H <sub>4</sub>	Sensitivity percentage of gas measured at 100ppmC <sub>2</sub> H <sub>4</sub>	< 0.1
	NH <sub>3</sub>	<b>Percentage sensitivity of gas<sub>3</sub> at 20ppmNH</b>	< 0.1
	H <sub>2</sub>	Gas sensitivity percentage measured at 100ppmH <sub>2</sub>	< 0.1
	CO <sub>2</sub>	5%Vol CO <sub>2</sub> when measured percentage sensitivity of gas	< 0.1
	halothane	Gas sensitivity percentage measured at 100ppm fluorine	< 0.1

hinge parameter	temperature range	°C	-30~40
	pressure limit	kPa	80~120
	Humidity range	Percentage of continuous relative humidity	15~85
	Storage period	Number of months for preservation from 3 to 20°C (to be kept in a sealed tank)	6
	load resistance	$\Omega$ (Recommended use ofAFE circuit board)	33~100
	weight	g	< 6

## 深圳市杰晟兴电子有限公司 JM Components Limited