

## 4RPID sensor

### Performance

Working principle: PID

Measurement range: 0~10000ppm(Optional)

Resolution: 5~2000ppb(Optional)

Accuracy:  $<\pm 2\%$  (Calibration Point)

Operating Temperature Range:  $-40\sim 50^{\circ}\text{C}$

Operating Humidity Range: 0~99% ( No condensing)

Operating Pressure Range: 800~1200mbar

### Electrical

Working Voltage: 3.2~5V

Zero Voltage:  $100\pm 50\text{mV}$

Output: 1.8~3V

Safe Approval: Ex is Pending

### Life

Recommending Storage Temperature:  $0\sim 20^{\circ}\text{C}$

Operating Life: minimum 5 years ( not include UV lamp and detector)

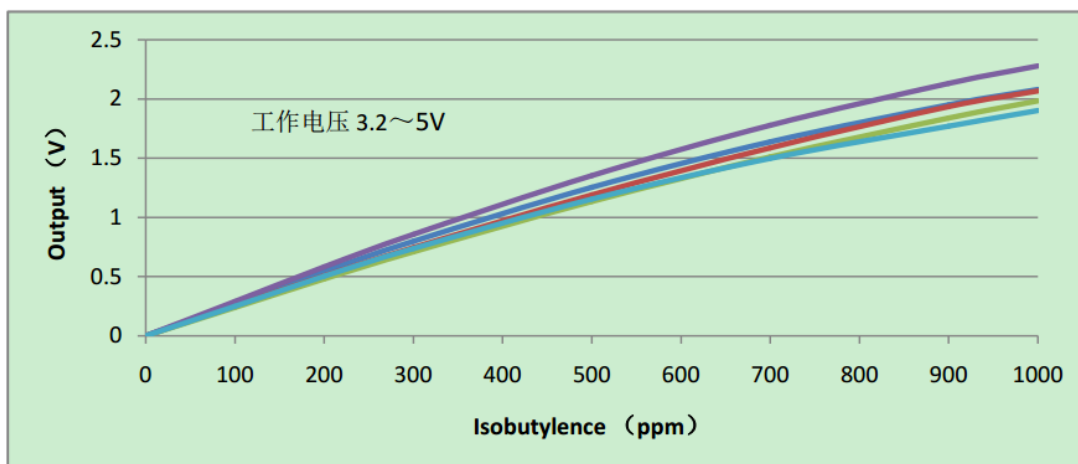
UV lamp Life: minimum 10000 hours

Warranty: 12 months

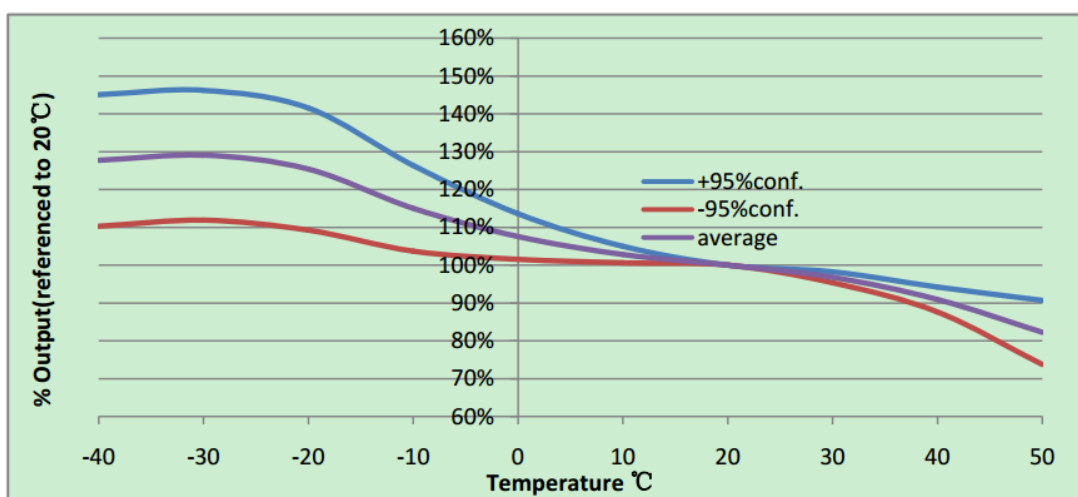
### Product & Performance Classification(10.6eV)-4R:

Range	20ppm	100ppm	300ppm	1000ppm	2000ppm	10000ppm
Part Number	134-000-020	134-000-120	134-000-320	134-000-130	134-000-230	134-000-140
Resolution	5ppb	25ppb	75ppb	250ppb	500ppb	2ppm
Sensitivity	$> 75\text{mV/ppm}$	$> 15\text{mV/ppm}$	$> 5\text{mV/ppm}$	$> 1.5\text{mV/ppm}$	$> 0.3\text{mV/ppm}$	$> 0.15\text{mV/ppm}$
Response Time(T90)	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$

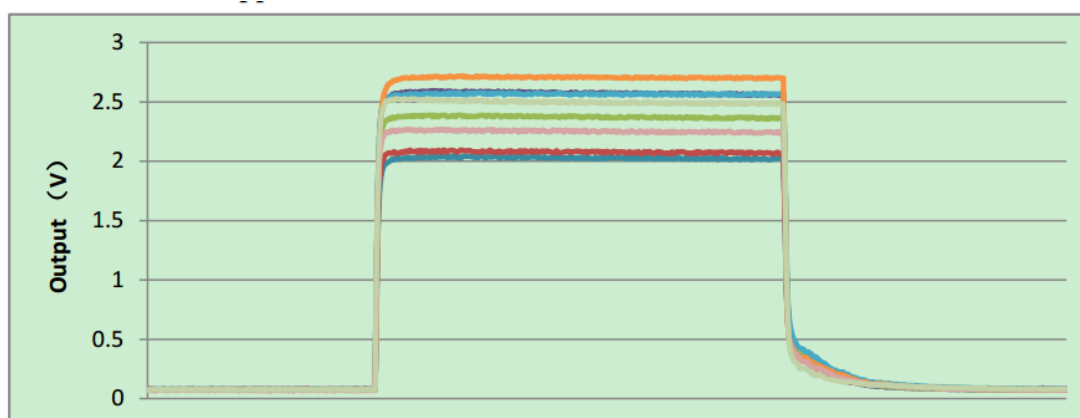
**Linearity:**

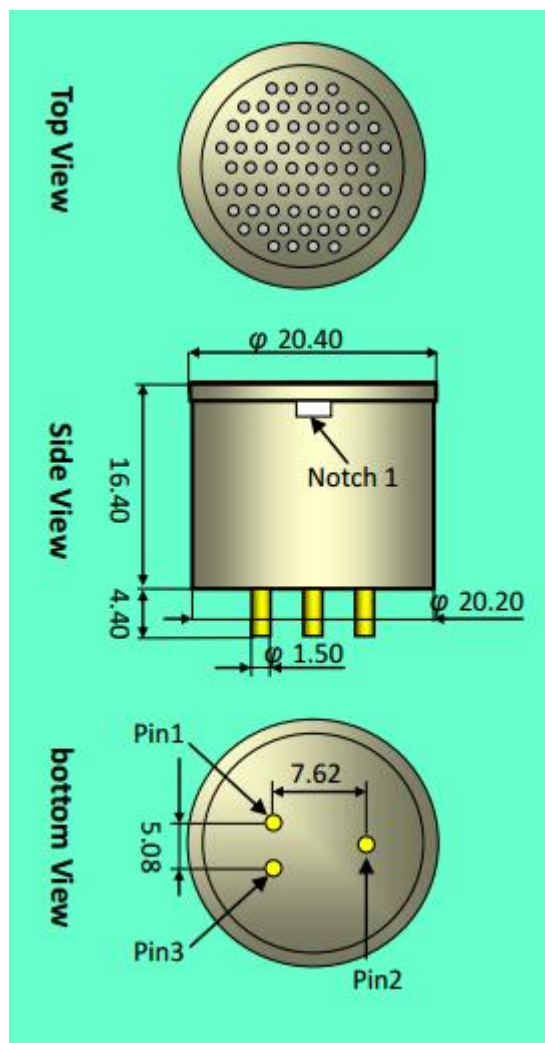


**Temperature Dependence:**



**Response line(300ppm isobutylene)**



**Dimension:****Description:**

Weight: <16g

Pin1: Power Input

Pin2: Signal output

Pin3: GND

Notch1&Notch2: Symmetry incision, For opening the upper cover

**Note:**

Unit: mm

Error:  $\pm 0.10$ mm