

4RPID sensor

Performance

Working principle: PID

Measurement range: 0~10000ppm(Optional)

Resolution: 5~2000ppb(Optional)

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

Operating Temperature Range: -40~50°C

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

Operating Pressure Range: 800~1200mbar

Electrical

Working Voltage: 3.2~5V

Zero Voltage: 100±50mV

Output: 1.8~3V

Safe Approval: Ex is Pending

Life

Recommending Storage Temperature: 0~20°C

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

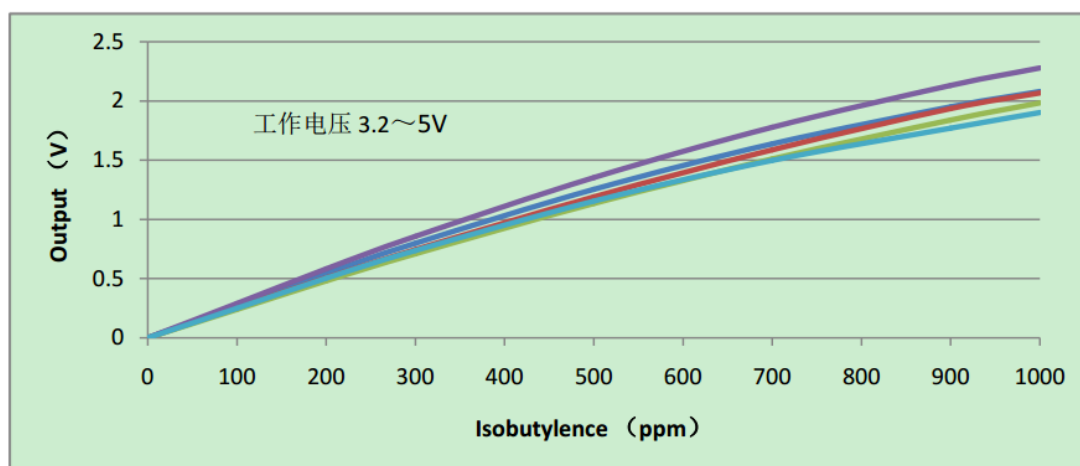
UV lamp Life: minimum 10000 hours

Warranty: 12 months

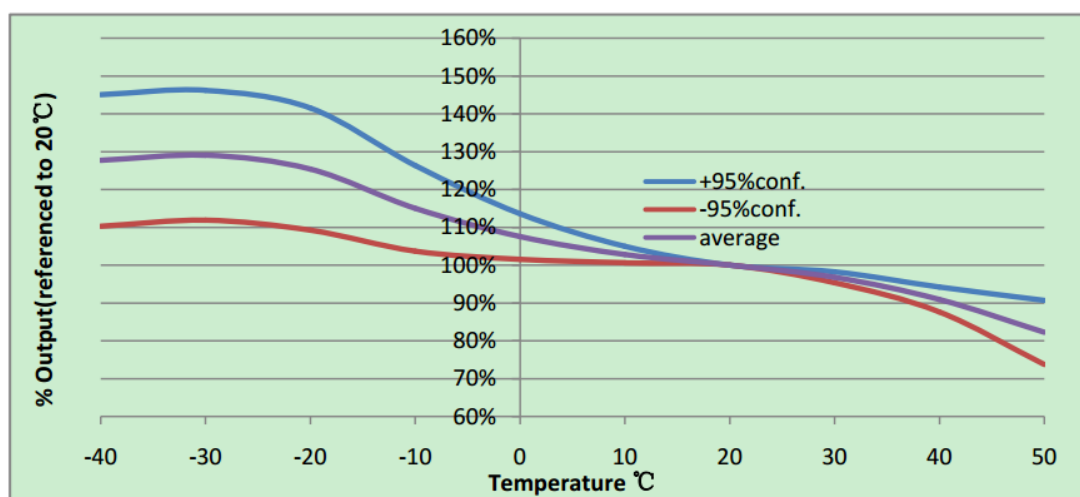
Product & Performance Classification(10.6eV)-4R:

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)	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$

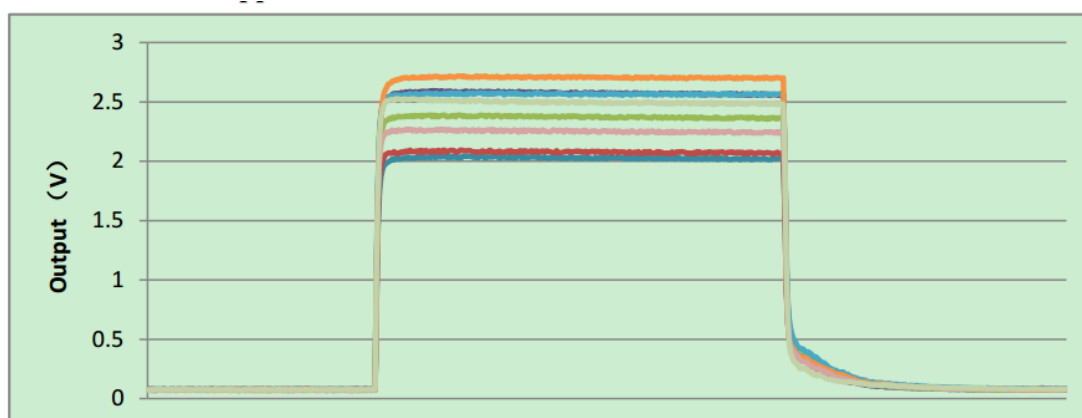
Linearity:

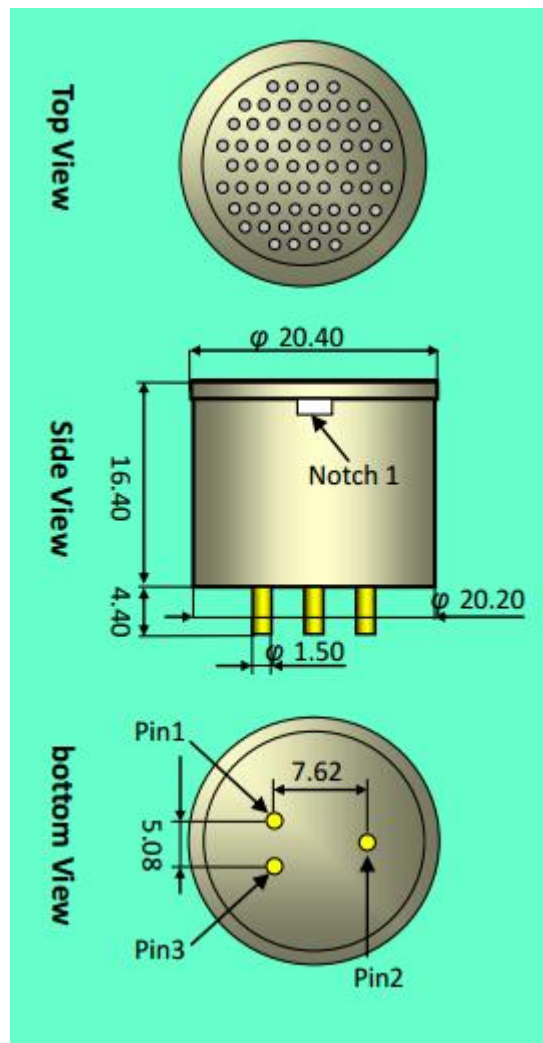


Temperature Dependence:



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: $\pm 0.10\text{mm}$