

4RPID-3.3V 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: 3.2~3.4V

Zero Voltage: $60\pm 20\text{mV}$

Output: 1.5~2.5V

Safe Approval: Ex is Pending

Life

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

Operating Life: minimum 36 months (not include UV lamp and detector)

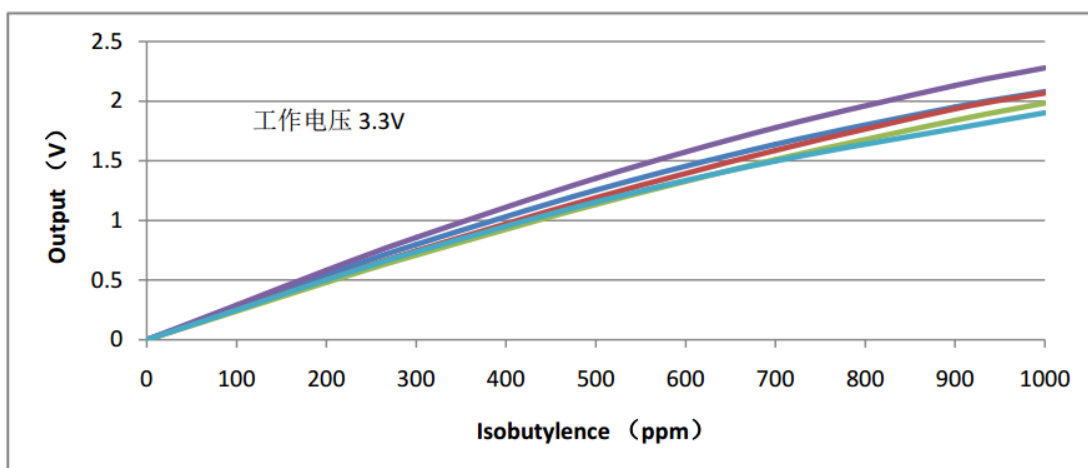
UV lamp Life: 24 months

Warranty: 12 months

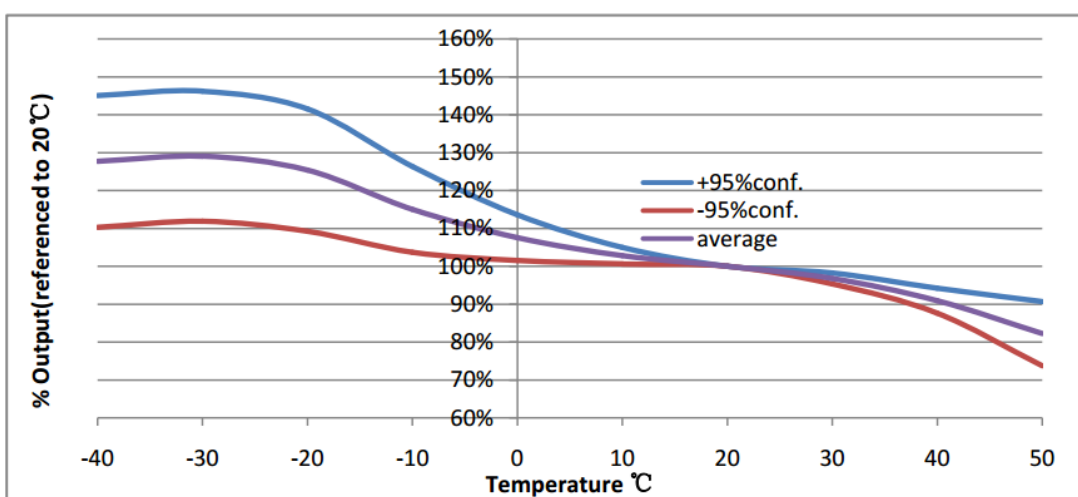
Product & Performance Classification (10.6eV)-3.3V:

Range	20ppm	100ppm	300ppm	1000ppm	2000ppm	10000ppm
Part Number	135-000-020	135-000-120	135-000-320	135-000-130	135-000-230	135-000-140
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)	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 5\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$	$\leq 3\text{second}$

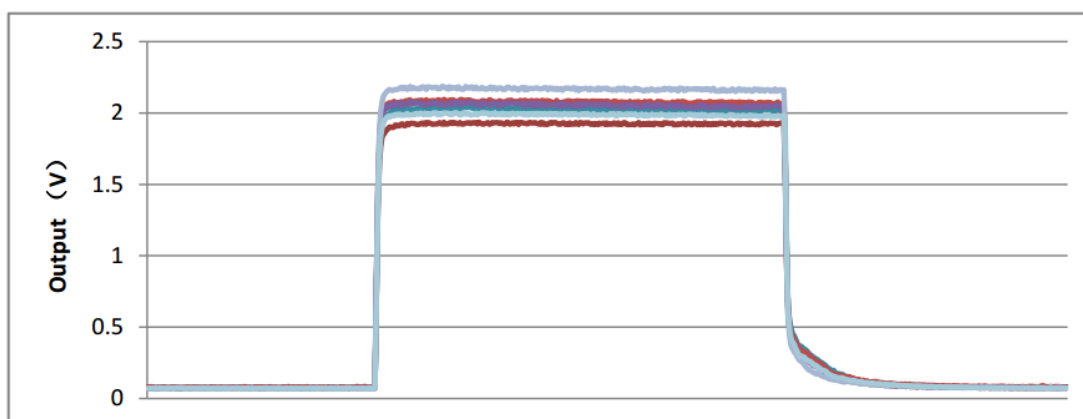
Linearity:

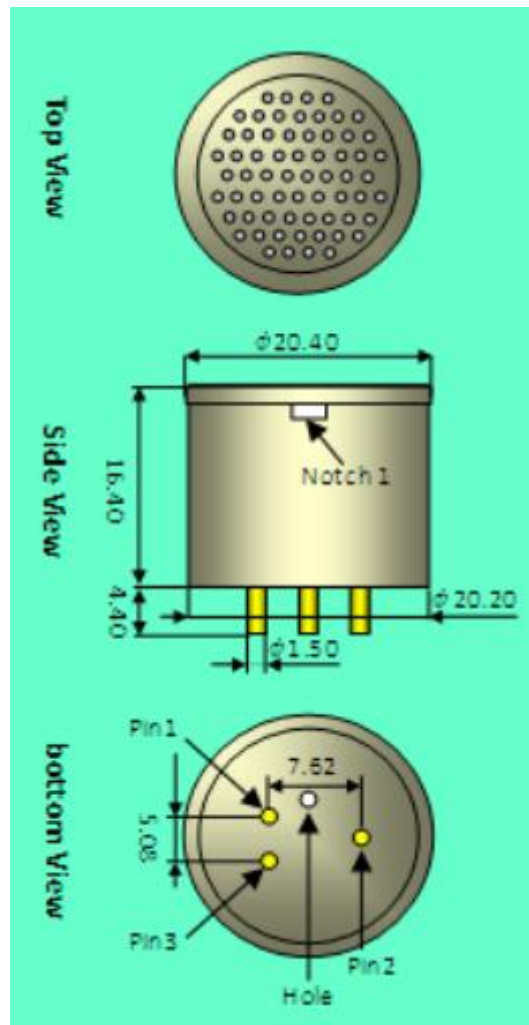


Temperature Dependence:



Response line(100ppm isobutylene)



Dimension:**Description:**

Weight: <16g

Pin1: Power Input

Pin2: Signal output

Pin3: GND

Hole: Central Hole

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

Note:

Unit: mm

Error: ± 0.10 mm