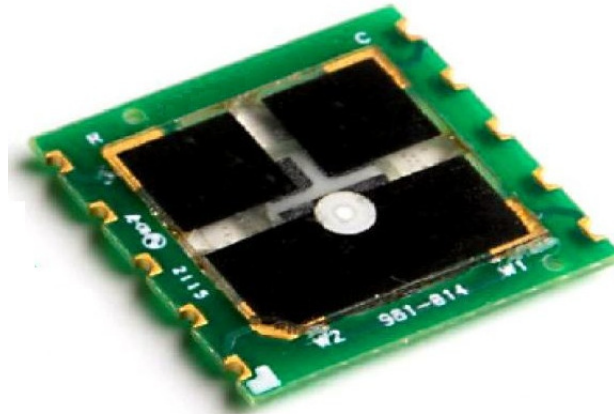


SO2 SENSOR WITH SIGNAL CONDITIONING INBUILT POWER SUPPLY



APPLICATIONS :

- Fixed Industrial Safety Monitoring
- Portable Industrial Safety Monitoring
- Portable Personal Safety Monitor
- Indoor Air Quality Monitoring
- Outdoor Air Quality Monitoring
- Air Purification Control

MEASUREMENT PERFORMANCE CHARACTERISTICS :

Measurement Range	0 to 20 ppm
Lower Detection Limit	0.3 ppm
Resolution	0.15 ppm
Accuracy	< ± 2 % of reading
Response Time T90	< 30 seconds
Power-On Stabilization Time	60 minutes recommended

ABSOLUTE MAXIMUM RATINGS :

Parameter	Conditions	Min.	Rec.	Max.	Units.
Supply Voltage		2.7	3	3.3	V
Storage Temperature	Vapor sealed @ 50% RH	5	20	30	°C
Storage Humidity	Non-condensing, Vapor sealed	20	50	80	%RH
Storage Pressure	Vapor sealed	0.8	1	1.2	Atm.
Storage Time	Vapor sealed	-	12	-	Months
Operating Temperature	< 10 hours	- 40	-	50	°C
Operating Humidity	< 10 hours, Non-condensing	0	-	100	%RH
Operating Temperature	Continuous	- 20	25	40	°C
Operating Humidity	Continuous, Non-condensing	15	50	95	%RH
Operating Pressure	Continuous	0.8	1	1.2	Atm.

VJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

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Phone No.: 01332 - 272509, 7579200827

E-Mail : vijavantatechologies@gmail.com, vijaielectronics1965@gmail.com

ELECTRICAL CHARACTERISTICS :

Parameter	Conditions	Min.	Rec.	Max.	Units.
Supply current	$V_{\pm} = 3.0V$	5	10	15	μA
Power consumption	$V_{\pm} = 3.0V$	15	30	45	μW
Vref			$V+/2 + 0.1$		V
Vgas Zero		$(V+/2 + 0.1) - 0.005$	$(V+/2 + 0.1)$	$(V+/2 + 0.1) + 0.005$	V
Vgas Span(M)	Room temperature	2.5	3.0	3.5	mV/ppm

NOTE: There may be any change in specification due to continuous R & D without notice.

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