

# Senseair S8 LP

<https://senseair.com/products/size-counts/s8-residential/>

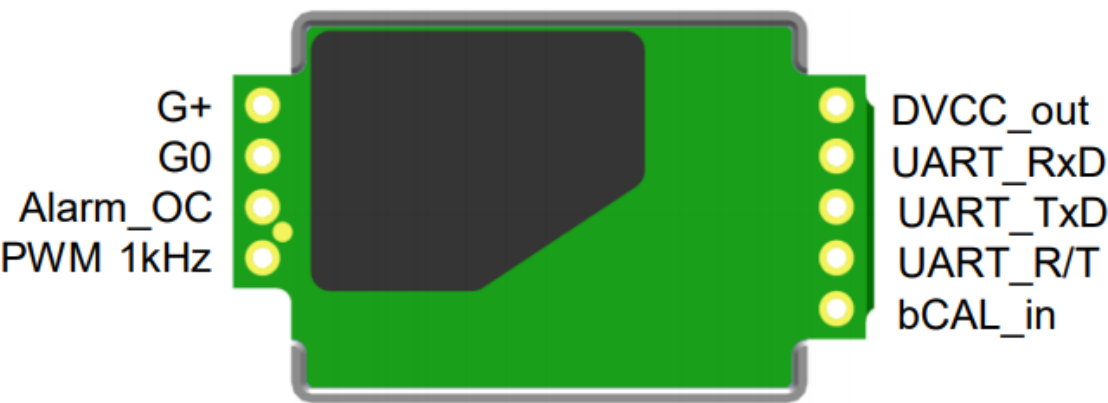
ABC Period: 8 days. The default “tuning speed” is limited to about 30-50ppm/ABC period.

Measurement interval: 4 sec.

Power supply: 4.5 —5.25V unprotected against surges and reverse connection

Power consumption: 300mA peak

4.5 V to 5.25 V DC



PIN		
G0	Power supply minus terminal Sensor's reference (ground) terminal	
G+	VCC	4.5—5.25V
Alarm_OC	Open Collector output for alarm indication	
PWM 1 kHz	PWM output. Configured as digital output Used for direct reading by customer's microcontroller or to provide analog output.	0%, output Low 100%, output High
DVCC_out	from sensor's voltage regulator Output may be used to logical level converter if master processor runs at 5V	3.3VDC 6mA max
UART_TxD	UART data receive line, digital output	
UART_RxD	UART data receive line, digital input	
UART_R/T	Direction control line for half duplex RS485 transceiver like MAX485	
bCAL_in/ CAL	background calibration, which requires that the sensor is exposed to fresh air 400ppm CO2 (4-8 sec) CAL (zero calibration), cell to be completely evacuated from CO2 (>16 sec), closed to G0	