

Product name	Oxygen Sensor
Model	AO2
Open wireless transmission distances	500m
Typical indoor transmission distances	50m
Antenna	Built-in
Frequency band	470Mhz



## Hardware parameters and function description

Exterior dimensions	80.0mm*80.0mm*64.5mm
Material/housing	PC-abs engineering plastic
Antenna	Built-in
O2 concentration range	0~25%
Acquisition frequency	30s~60min (Default 5min ①)
O2 concentration accuracy	± 0.1% (-25 °C ~ 50 °C, humidity 5% ~ 95%, 80 ~ 120KPa)
O2 concentration resolution	0.01%
Store	28,000 group ②
Battery model	ER14250
Battery capacity	1200mAh (3.7V)
Service life ④	24 months (in air)
Battery replacement	Can be replaced
Protection level	IP68

## Description of software parameters and functions

Transmission mode	HyperWSN
Communication rate	5-50Kbps
Support frequency band	433MHz
Transmission distance	500m③
Standby power consumption	<5μA
Receive sensitivity	-105dBm
Default cycle of one-time operation	5min (Default)

① The default data acquisition time interval is 5min, and all relevant data in the above table are subject to the default acquisition time interval.

② Under the default acquisition time interval, when the data cannot be uploaded, the memory can work continuously and independently for 97 days.

③ Visual distance.

④ Battery life is the standard working mode, which will be reduced when a large amount of data is stored or the signal is not good.