

### Communication Protocol of SPO2 Module Model SP001

Serial transmission (TXD) protocol uses 3.3V CMOS voltage transmission. Agreement has been set to 4800 baud rate; 8 data bits; an interrupt bit and parity.

#### Transfer Protocol

Data are transmitted 60 packets per second, seventh place is the SYNC bit.

Bytes	bits	Definition
1	0-3	the intensity of the pulse, ranging from 0-8
	4	1 = search time is too long, 0 = OK
	5	1 = oxygen saturation decrease, 0 = OK
	6	1 = pulse sounds
	7	SYNC bit = 1
2	0-6	soluble product graph (indicating oxygen dissolved product wave)
	7	SYNC bit=0
3	0-3	Real-time bar graph (indicating the pulse sound)
	4	1 = probe error, 0 = OK
	5	1 = Search the pulse, 0 = OK
	6	pulse rate (No. 7 bit)
	7	SYNC bit=0
4	0-6	pulse rate (No. 0 bit to 6 bit)
	7	SYNC bit=0
5	0-6	oxygen saturation
	7	SYNC bit=0