

12 . Technical Specifications

Model		LOX100A / LOX100B; LOX100C / LOX100D
Display mode		OLED
Oxygen saturation	Measuring range	70%~100%
	Accuracy	70%~100% $\pm 2\%$;
	Resolution	1%
Pulse rate	Measuring range	30bpm~250bpm
	Accuracy	30bpm~250bpm, $\pm 3\text{bpm}$ or $\pm 3\%$ (which is larger)
	Resolution	1bpm
Measuring range of blood perfusion index (PI)		0.3%~20%
LED probe wavelength		RED 660 $\pm 3\text{nm}$ IR 905 $\pm 10\text{nm}$
Radiation power		RED 2mW IR 2mW
Battery model		2 AAA batteries
Power consumption		< 30mA
Battery life		Continuous use for 25 hours with 2 AAA1.5V alkaline batteries
Operating temperature		5°C~40°C
Storage temperature		-20°C~+55°C
Relative humidity		$\leq 80\%$: No condensation in working status $\leq 93\%$: No condensation in storage status
Operating atmospheric pressure		86kPa~106kPa
Storage atmospheric pressure		70kPa~106kPa
Response time		< 20 s
Anti-shock protection category		Internal power supply
Anti-shock protection measure		Type BF applied part
Waterproof protection measure		IP22
NetWeight		Approx.,60g (including batteries)
Dimensions		69mm(L) X35mm(W) X29mm(H)
Data averaging	Spo2	Average of successive five detected pulses, with exponential smoothing followed
	Pulse rate	Average within 8 seconds
Update time	Spo2	Update per second, the update period is less than 20 seconds.
	Pulse rate	Update per second, the update period is less than 12 seconds.