




市場上不同的 血氧濃度計 (pulse oximeter) 的比較

品牌	Meditech	HeXX ForXX	NonXX	NellXXX	NellXXX
型號	FOS3	PriXXX 100C	OnXX II 9550	OxiXXX N65	OxiXXX N600
型號描寫	指尖血氧濃度計	指尖血氧濃度計	指尖血氧濃度計	掌上型血氧濃度計	桌上型血氧濃度計
產品等級	醫療等級 	消費者等級	醫療等級	醫療等級	醫療等級
物理性質					
大小 (毫米)	58x34x30	66x36x33	56x33x33	158x73x35	264x173x84
重量 (包括電池) (g)	55	60	54	290	2600
電池	2 AAA batteries	2 AAA batteries	2 AAA batteries	4 AAA batteries	6V lead acid
顯示屏	Colour OLED	Colour OLED	Monochrome LED	Monochrome LCD	Monochrome LCD
Measured parameters	SaO ₂ , Pulse Rate, Perfusion index	SaO ₂ , Pulse Rate, Perfusion index	SaO ₂ , Pulse Rate, Perfusion quality	SaO ₂ , Pulse Rate, Pulse amplitude	SaO ₂ , Pulse Rate, Pulse amplitude
SaO₂					
Measurement range (%)	70-99	35-99	70-100	70-100	70-100
Resolution (%)	±1	±1	±1	±1	±1
Accuracy (%)	±2% (70%-99%)	±2% (75%-99%) ±3% (50%-75%) ¹	±2% (70%-100%)	±2% (70%-100%)	±2% (70%-100%)
脈搏					
Measurement range (bpm)	30-235	30-240	20-250	20-250	20-250
Resolution (bpm)	±1	±1	±1	±1	±1
Accuracy (bpm)	±2	±2	±3	±3	±3
Working Environment					
Temperature (°C)	5-40	unknown	0-40	5-40	5-40
Company background					
Nature	Medical device manufacturer 	OEM product merchant ²	Medical device manufacturer	Medical device manufacturer	Medical device manufacturer
Industrial Standard	ISO 13485 CE IEC60601-1-1-2	unknown ³	ISO 109931 CE IEC 60601-1	EN60601-1-2 UL60601-1	EN 60601-1, UL 60601-1, EN 475, EN 865, EN 60601-1-2: 2001, IEC 60601-1-2
Place of origin	China	unknown	USA	USA	USA
Recommended Retail price	HKD\$2500 	\$1750	HKD\$5800	~HKD\$6825	~HKD\$36000

¹ SaO₂ at the level of 50-70% is incompatible with life. Therefore, **no** accuracy testing can be done over this range. Furthermore, at the level, the oxygen dissociation curve is very steep, error must be many time of the plateau phase.

² OEM merchant has little control over the overall quality of a medical device

³ Without CE approval, the product is not deemed safe for use. Without ISO certification, accuracy of such a product has no guarantee. Reliability of **self-reported** accuracy should be considered conservatively.

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