

# Smiley buddy to take SpO<sub>2</sub>



**NISSEI**

## Pulse-Oximeter BO-800



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for measurement at finger

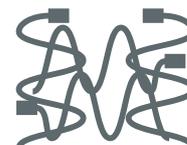
BO-800 is an instrument to measure blood oxygen saturation (%SpO<sub>2</sub>) and pulse rate at finger on adult patients. With no wires to connect, BO-800 embodies convenient and handy measurement of %SpO<sub>2</sub>.

Pinch and open wide the jaw of BO-800 and put your patient's finger in. Its SWING-SLIDE structure will fit itself to his or her finger, no matter how big or small it is as long as its circumference is not over 75 mm or below 40 mm. The sensor to detect finger inserted will turn on the backlight to illuminate the display for you and immediately starts measurement, instead of you doing any button operation. Heart mark flashes, synchronizing pulse. Pulse rate will be displayed. Soon after, you will be able to confirm patient's %SpO<sub>2</sub>. Take off BO-800 from your patient's finger when you are done with measurement. BO-800 will automatically stop measurement and turns off. That is how easy measurement of blood oxygen saturation is with BO-800. It will save your time struggling with a complex machine and save you time for what is more important.

Though BO-800 is such a compact instrument, do not underestimate its accuracy, performance and durability. With light emission element developed by our own and transparent resin sheet are some of those that assure the high optical sensitivity of BO-800. Dual-gain-control and auto-off-set function with DAC are adapted for measurement stability. Breath-controlled-measurement and operation circuit system at low voltage minimize its power consumption. BO-800 holds the water resistance level of IPX2.



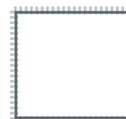
Finger Detecting Sensor  
automatic start and stop of  
measurement



No Wire Connections



Single Hand Handling



Back Lit Display



Strap, Storage Case, Screw Driver  
included

Product specifications	
Model	BO-800
Principle of measurement	Double wavelength lights absorption method
Indicator	LCD
Measuring range	%SPO <sub>2</sub> 0 to 100 % pulse rate 30 to 240 pulses/min (pulse rate)
Accuracy	%SPO <sub>2</sub> 70~100%; ±2% pulse rate ±3%/±1 digit
Power supply	2 alkaline AAA (LR03) batteries
Power consumption	approximately 0.09W
Operating environment	+10°C to +40°C, 30% to 85% RH (no condensation)
Storage environment	-20°C to +60°C, 10% to 95% RH (no condensation)
Applicable finger circumference	40 to 75 mm
Dimensions	approximately 61(H) X 34 (W) X 32(D) mm
Weight	approximately 37g without batteries
battery life	approximately 40 hours of continuous use, (4800 times of 30-second-spot measurements)
Water resistance	IPX2 (IEC 60601-1)

Specifications are subject to change without prior notice due to improvements in performance and quality.



NIHON SEIMITSU SOKKI CO., LTD. 2508-13 Nakago Shibukawa Gunma 377-0293 Japan  
EC-Representative: JPI Trading GmbH, Holzbrücke 7, 20459 Hamburg, Germany ☎ 040-82 22 80 510

web site <http://www.nissei-jp.com>

Authorised Importer & Distributor:  
ZOHRA WAHAB TRADING COMPANY PTE LTD, SINGAPORE  
URL: [www.zowamedical.com.sg](http://www.zowamedical.com.sg) / Tel: (65)-6743 6050 / 6747 0329

