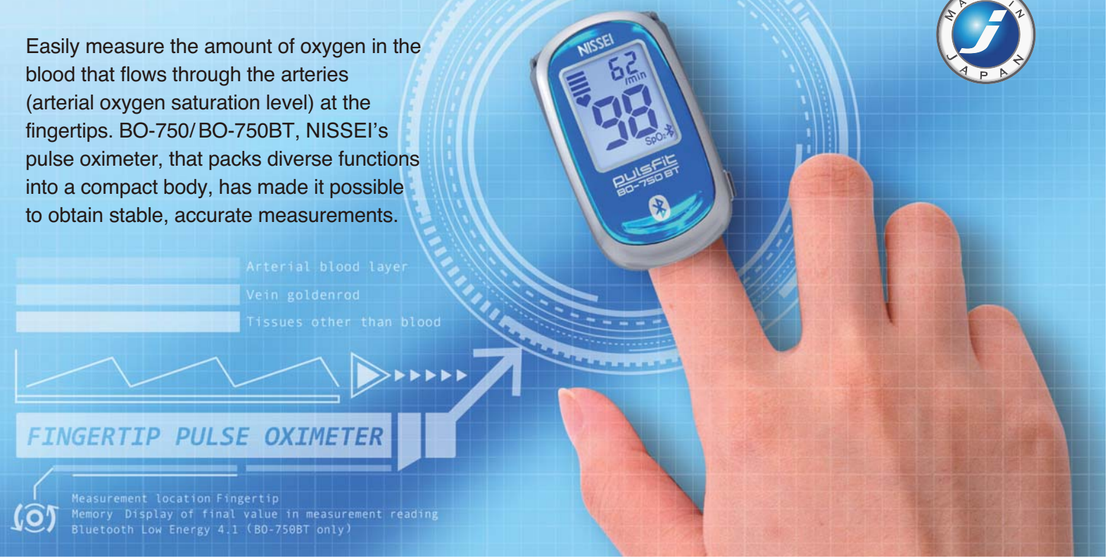
NISSEI

BO-750

FINGERTIP PULSE OXIMETER

Easily measure the amount of oxygen in the blood that flows through the arteries (arterial oxygen saturation level) at the fingertips. BO-750/ BO-750BT, NISSEI's pulse oximeter, that packs diverse functions into a compact body, has made it possible to obtain stable, accurate measurements.



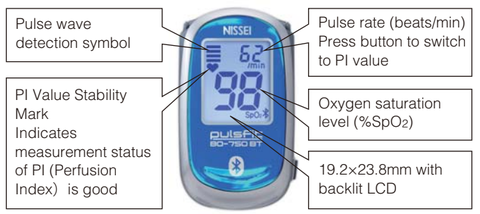
Multifunctional, high quality model meeting the needs of the medical field

Considering ease of use first, Pulse Oximeter BO-750/BO-750BT emphasizes design and operability. The compact and highly durable body is equipped with a variety of functions giving consideration to performing measurements that are quick and accurate.



Robust body design

With a small body made possible by newly designed circuits and PCB configuration, and usage of a strong polycarbonate containing resin to resist shock. Its impact resistance has been proven in 1,000 vibration tests.



The built-in acceleration rate sensor automatically rotates the view by 180 degrees depending on the orientation.



Comprehensive hygiene measures

Antibacterial agents are combined at the point of insertion. The display windows also have a UV coating for chemical resistance and the entry of chemicals is prevented through the integral molding of its light emission and reception window.



High-performance display

Equipped with dual color backlighting that is usually white and turns an orange color if there is an abnormal value (below 90% or in the event of an error). Also equipped with an energy conservation mode that reduces brightness 15 seconds after a reading.





BO-750
3 COLORS

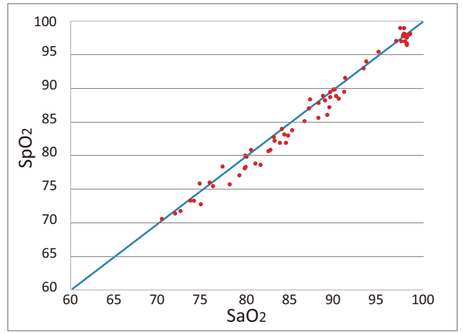


BO-750BT
Bluetooth®

Meets ISO standards established in 2011

Pulse Oximeter BO-750/BO-750BT was confirmed to meet ISO 80601-2-61:2011 standards in an "evaluation test of SpO_2 precision levels on humans" conducted in a low-oxygen chamber by the Travellers' Medical Center at Tokyo Medical University Hospital.

The graph is an excerpt from the article, "ARE ALL PULSE OXIMETERS RELIABLE AT SEVERE HYPOXIC CONDITION?" (Authors: Nao Kurita, Shigeru Masuyama, Shinji Fukushima, and Atsuo Hamada. Travellers' Medical Center, Tokyo Medical University Hospital, Tokyo Japan) released at the 19th International Hypoxia Symposium held between March 3-8, 2015.



Bluetooth*1 equipped to enable records to be managed on a smartphone!

Measurement results may be displayed in real time when linked with the dedicated app "NISSEI HealStyle" using the Bluetooth function. Enables the management of health conditions, as measurement records may be stored for each patient with an ID and password.

<Compatible operating systems>
- iOS 8 or above (iPhone 4s or later / compatible with 5th & 6th generations of iPod touch)
- Android 4.3 or above (equipped with Bluetooth 4.0 or above)

Start measurements and simply tap "reception" in "NISSEI HealStyle!"
- May be linked with the standard iOS app "Health!"



NISSEI original app "NISSEI HealStyle"



May be installed from the App*2 Store or Google play. Please search under "NISSEI" or "BO-750BT."



*1 Copyright©2014 by Bluetooth SIG,Inc. The Bluetooth word mark and logos are owned by Bluetooth SIG,Inc. Other third-party brands and names are the property of their respective owners.

*2 iPod, iPhone, iPad are trademarks of Apple Inc., registered in the U.S. and other countries.

Specifications

Operating principle	Double wavelength lights absorption method	
Measurement Range	%SpO_2	0 - 100%
	Pulse rate	30 - 240 bpm
Accuracy*	%SpO_2	±2%(70% ≤SpO_2 ≤100%)
	Pulse rate	±3%/±1 digit (30 - 240 bpm)
Power source	One single AAA alkaline (LR03) battery	
Battery life (continuous use)	Approx. 40 hours Excluding communication mode	
Rated voltage	DC 1.5 V	
Rated power consumptio	0.09 W	
Bluetooth compatibility standard	Bluetooth Low Energy 4.1 (BO-750BT only)	
Operating condition	+10°C to +40°C, 30% to 85% RH (no condensation)	
Transportation/storage condition	-20°C to +60°C, 10% to 95% RH (no condensation)	
Size	Approximately 60 (H) × 35 (W) × 32 (D) mm	
Weight	Approximately 37g (without batteries)	
Electric-shock Protection	Internally powered equipment, Type BF applied part	
Protection class IP	IP22(IEC 60529): Protected against solid foreign particles with a diameter of more than 12.5 mm, no protection against water.	
Mode of operation	Continuous operation	

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

NISSEI 日本精密測器株式会社
Manufacturer:
JAPAN PRECISION INSTRUMENTS INC.
2508-13 Nakago Shibukawa Gunma Japan

EC-Representative:
Nissei Healthcare(UK)Ltd.
Reds House,New Barn Lane,Henfield West Sussex BN5 9SJ, UNITED KINGDOM

Web site: http://www.nissei-kk.co.jp/english/

ISO9001 ISO13485 ISO14001