

LX-1300 Telemetry Transmitter

General Specifications

	LX-1300M	LX-1300N	LX-1300E
SpO2	Masimo®	Nellcor™	
ECG	Yes	Yes	Yes
RESP	Yes	Yes	Yes
NIBP*1	Yes	Yes	Yes

*1 Wireless communication with the LXN-1000 enables measurement data to be acquired

Dimensions (W x H x D) (not including the protrusion)

2.5 x 3.8 x 1.1 inches
64 x 96 x 27 mm

Weight (not including the optional accessories)

Approx. 110 g
Approx. 0.2 lbs / 3.9 oz

Applicable ECG Lead Cable

3-electrode, 4-electrode, 5-electrode (limb + chest) lead cable
Automatically detect the type by inserting the lead cable

Transmitting Waveform

ECG 1CH or 2CH (selected by lead cable), Respiratory
Waveform, Pulse Waveform (with SpO2 value)

Waterproof Performance

IPX8 (with periodic replacement)

Continuous Use Time: LX-1300M (ECG/RESP/SpO2)

Output Power (mW)	Pairing Status (LXN-1000)	Alkaline (days)	Lithium (days)	NiMH (days)
5	Not Paired	2.25	3.25	1.75
5	Paired	2	3	1.5
2	Not Paired	2.5	3.5	2
2	Paired	2.25	3.5	1.75

Continuous Use Time: LX-1300E (ECG/RESP)

Output Power (mW)	Pairing Status (LXN-1000)	Alkaline (days)	Lithium (days)	NiMH (days)
5	Not Paired	4.25	6.25	3.25
5	Paired	3.5	5.25	2.75
2	Not Paired	5.5	7.25	3.75
2	Paired	4.5	6	3.25



Transmission Status Data

Electrode Off, Low Battery, Event Switch, Pacemaker
Detection, SpO2 Sensor Off

Power Supply

2 x AA Alkaline Batteries, AA NiMH (Nickel-Metal Hydride)
Batteries or AA Lithium Batteries

Operation Mode

Continuous Operation

Continuous Use Time: LX-1300N (ECG/RESP/SpO2)

Output Power (mW)	Pairing Status (LXN-1000)	Alkaline (days)	Lithium (days)	NiMH (days)
5	Not Paired	1.5	2	1
5	Paired	1.5	2	1
2	Not Paired	1.5	2.25	1.25
2	Paired	1.5	2.25	1.25



Medical Innovation for a Brighter Tomorrow

ECG

Number of Lead Electrodes	3-electrode, 4-electrode, 5-electrode (limb + chest)
Number of Input Channels	1CH (3-electrode) or 2CH
Heart Rate Detection	Adult: 0, 12 to 30 bpm / Neonate: 0, 30 to 300 bpm
Heart Rate Display Range	QRS Detection Mode at Wide: 0, 12 to 300 bpm (1 bpm steps) QRS Detection Mode at Narrow Width: 0, 30 to 300 bpm (1 bpm steps)
Frequency Characteristic	0.5 to 40 Hz (within -3dB)
Sweep Speed	12.5 mm/s

Respiration (Impedance Method)

Accuracy of Sensitivity	10 mm / within $1\Omega \pm 2$ mm (at a basic impedance of 480Ω)
Display Range	0, 4 to 150 bpm
Measured Current of Respiration	100 μ A or less (42 kHz)

SpO2 (Masimo®)

SpO2 Measurement Range	1% to 100% SpO2
Resolution	1% SpO2
Measurement Response Time	8 sec (average time)
PR Measurement Range	26 to 239 bpm
PR Measurement Accuracy	Without Body Motion: ± 3 bpm / With Body Motion: ± 5 bpm

SpO2 (Medtronic® / Nellcor™)

SpO2 Measurement Range	1% to 100% SpO2
Resolution	1% SpO2
Measurement Response Time	4 to 7 sec (average time)
PR Measurement Range	20 to 250 bpm
PR Measurement Accuracy	Without Body Motion: ± 3 bpm

Communication Method

Modulation Method	Digital, Frequency Shift Keying
Frequency	608 - 614 MHz

Wireless Standard

Supported Standards	Bluetooth 5.0 / NFC
Frequency	Bluetooth: 2402 to 2480 MHz / NFC: 13.56 MHz

Safety

General Safety Standard	ANSI/AAMI ES 60601-1 : 2005 / (R) 2012 and A1 : 2012 A2 : 2021
EMC Standard	IEC 60601-1-2 : 2014 + A1 : 2020
Protection Against Electrical Shock	Internally Powered Equipment



FUKUDA DENSHI USA, INC.

17725-C NE 65th Street Redmond, WA 98052

Toll Free: (800) 365-6668 / Local: (425) 881-7737 / Fax: (888) 224-7090

Medtronic® and Nellcor™ are registered trademarks of Medtronic. Masimo® is a registered trademark of Masimo Corporation.

The information contained in this document is subject to change without notice.

© 2026 FUKUDA DENSHI USA, INC. All rights reserved. Document No. USRB-0338-00

<http://www.fukudaamerica.com>