



Life Scope G3

Mobile solution for vital sign monitoring

Nihon Kohden's Life Scope G3 is a wearable vital sign telemeter which monitors ECG, respiration, SpO₂ and iNIBP (optional) to support various phases of ambulatory care without compromising patient's safety and mobility.

Based on leading-edge technology, Life Scope G3 provides monitoring anytime and anywhere, so the patient's vital signs and waveforms can be viewed on the 3.2 inch color LCD display. It enhances cardiology care and ensures the patient's comfort and mobility.



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Safety and reviewing

Life Scope G3 allows you to confirm a patient's vital signs and waveforms on its 3.2 inch display – from a distance.

- **Mobile:** with wireless LAN capabilities, Life Scope G3 enhances the patient's mobility by increasing the telemetry coverage area. The Life Scope G3 alarm gives notice of sudden change in patient condition.
- **Nurse call:** the patient can notify the caregiver with the **nurse call key**.
- **Enhanced cardiology care:** Life Scope G3 supports 3 and 6-lead ECG. It detects 23 types of arrhythmias.
- **Review at the patient's side:** full disclosure waveforms, vital sign trend and a wide range of data are available at the patient's side without going to the central station. 24 hours data can be displayed when Life Scope G3 is connected to the central station.
- **Fast, accurate and gentle to the patient – iNIBP (GZ-140P):** iNIBP is Nihon Kohden's original technology to deliver painless NIBP measurement with lower cuff pressure during the cuff inflation stage. Nihon Kohden's **Yawara Cuffs** reduce bruising for patient comfort and reduce noise for more accurate measurement

Streamlining

With Life Scope G3 you can confirm alarms and review data intuitively at the patient's side to help streamline your workflow.

- **Advanced alarm management:** the two alarm modes of Life Scope G3 ensure both the safety and comfort of the patient. When directly monitoring the patient, monitor mode sounds alarms at both the central monitor and the Life Scope G3. And, to create a quiet bedside environment for the patient, telemetry mode silences alarms at the patient side and alarms only sound at the central monitor.

- **Long battery operation time:** with just two AA batteries, the Life Scope G3 can continuously monitor vital parameters like ECG, SpO₂, and respiration for at least 24 hours in telemetry mode. To save battery power, the display can also be turned off after a specified period of inactivity. The Life Scope G3 with iNIBP function (GZ-140P) has three AAA batteries and option of rechargeable battery pack.
- **Intuitive operation:** intuitive smooth touch panel operation, such as swiping numeric values to show details or swiping to scroll waveforms, makes the Life Scope G3 extremely easy to use and enables easy and fast access to important information.

Seamless

Robust network configuration, data backup and water resistant body ensures the valuable patient data is well protected.

- **Robust network configuration:** Life Scope G3 uses IEEE 802.11a/b/g/n protocols for robust and faster communication.
- **Data backup:** the communication status icon shows the radio field strength. Even if the patient goes outside the telemetry area, you can check the vital sign data stored in Life Scope G3.
- **Water resistant:** Life Scope G3 (GZ-130P) meets the IPX7* water resistant standard and is protected against accidental water spillages and during cleaning. Life Scope G3 with iNIBP (GZ-140P) meets IPX1 water resistance standard.

*Except battery case

Specifications

GZ-130P/ GZ-140P (iNIBP)

Measuring parameters

GZ-130P: Electrocardiogram (ECG), respiration (RESP) and oxygen saturation (SpO₂)

GZ-140P: Electrocardiogram (ECG), respiration (RESP), oxygen saturation (SpO₂) and non-invasive blood pressure (NiBP)

Display screen

Screen 3.2 inch, TFT color LCD

Waveform display

Maximum number of waveform traces 3 traces

Sweep speed 12.5 mm/s

Waveform display color Fixed (ECG: green, RESP: white, SpO₂: blue)

Displayed parameters ECG, respiration curve, SpO₂, pulse waveform

Numeric values

Numeric display color Fixed (ECG: green, RESP: white, SpO₂: blue, SpO₂ PR: sky blue)

Numeric data display Heart rate, VPC rate (per minute), ST level, respiration rate, SpO₂, pulse rate, and NiBP (GZ-140P)

Alarm

Alarm items Vital sign alarms:
- upper/lower alarm: generates alarms when the measured value is lower or higher than the specified limit
- arrhythmia alarm: generates alarms when an arrhythmia is detected on ECG

Technical alarms (instrument and measurement environment-related alarms): generates alarms when an abnormality occurs in measurement statuses or instruments.

LED

The vital sign telemeter has LEDs which light up or blink according to the function.

Data backup

Patient data Patient data is not deleted after turning the power off—this can be done manually.

Upper and lower alarm and arrhythmia alarm settings are not deleted after turning the power off. These settings can be deleted manually.

The review data is deleted when the power is turned off.

Power operation

Type of battery *GZ-130P*: 2 AA (R6) alkaline or NiMH batteries
GZ-140P: 3 AA (R6) batteries or NiMH batteries

Battery level The battery level is displayed on the screen

USB interface

This interface is used for connecting the vital sign telemeter to a PC in order to change settings and install software.

Wireless LAN

Vital signs and alarm information are sent to the monitor system network using a communication system based on IEEE 802.11a/b/g/n wireless LAN standards.

Life Scope Network (LS-NET) compatibility

You can connect the Life Scope G3 to Nihon Kohden central monitors and bedside monitors via Life Scope Network (LS-NET) wireless LAN.



Improving Healthcare with Advanced Technology



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