Nihon Kohden · Patiëntmonitoring

Life Scope G5

CSM-1501 / CSM-1502

Bedside monitor with a 12.1-inch (CSM-1501) or 15.6-inch (CSM-1502) touchscreen, MULTI connections with Smart cables, HL7 output and transport function.

Screen size	Network	Battery life (2 battery packs,…
12.1 inch (CSM-1501) /…	**LS-NET, HL7 output**	**5 hours (CSM-1501) / 4…**

Description

The Life Scope G5 (CSM-1501/CSM-1502) is a bedside monitor from Nihon Kohden for continuous monitoring, recording and alarming of multiple physiological parameters in adults, children and neonates. The monitor has a 12.1-inch (CSM-1501) or 15.6-inch (CSM-1502) touchscreen and measures additional parameters via MULTI connections with Smart cables.
Via LS-NET and HL7, the monitor can be connected to central monitors and the hospital network; with the transport function, patient data can be taken along with the input unit to another bed.

Specifications

Type	Bedside monitor, CSM-1500 series (Life Scope G5)
Models and core unit	CSM-1501 (core unit CU-151R); CSM-1502 (core unit CU-152R)
Intended use	Continuous monitoring, recording and alarming of multiple physiological parameters of adults, children and neonates in the operating theatre, recovery room, ICU, CCU, HDU, NICU, ED, general ward and other departments.
Screen size	CSM-1501: 12.1-inch colour TFT LCD; CSM-1502: 15.6-inch colour TFT LCD
Resolution and touchscreen	CSM-1501: 1280 × 800 dots, resistive touchscreen; CSM-1502: 1366 × 768 dots, capacitive touchscreen (direct bonding)
Additional screens and traces	CSM-1501: 1 additional screen via HDMI (1366 × 768); up to 15 traces on one screen, 30 on two. CSM-1502: up to 2 additional screens, the first via HDMI (1366 × 768), the second via DVI (1680 × 1050; requires optional side option board QI-152P); up to 15, 30 or 47 traces on one, two or three screens.
Operation	Touchscreen, mouse, remote control and barcode scanner. The wireless remote control RY-910PA has six function keys for preset screens; one remote control can operate up to 9 monitors by channel selection.

Measured parameters	ECG (3/6/12 leads), respiration (impedance method), SpO2, SpO2-2, NIBP, IBP, temperature, cardiac output, BIS, CO2 (mainstream), TOF.
Optional parameters	With optional module/unit: CO2 (sidestream), anaesthetic gas (CO2, O2, N2O, agent), Flow/Paw, EEG. With external device and interface: ventilation, CCO, SvO2, tcPO2/tcPCO2, rSO2. With optional software QL-005P/QL-006P: esCCO.
ECG and arrhythmia	Arrhythmia analysis with multi-template matching (2 analysis channels), 25 arrhythmia alarm items; ST measurement; QTc/QRSd; 12-lead analysis. Synthesised 18-lead ECG (synECi18) with optional software QL-004P.
NIBP and SpO2	NIBP: oscillometric, measurement range 0 to 300 mmHg, iNIBP (measurement during cuff inflation) and PWTT-triggered NIBP measurement; adult, child or neonate is recognised by the connected air hose. SpO2: measurement technology Nihon Kohden, Nellcor or Masimo (depending on the input unit).
Input units and MULTI connections	Up to 11 MULTI connections; a Smart cable in a MULTI connection is recognised automatically. Input units: AY-661P and AY-651P/AY-631P (1 MULTI), AY-663P and AY-653P/AY-633P (3 MULTI); expansion: AA-672P (2 MULTI), AA-674P (4 MULTI), AA-174P (4 MULTI). Via MULTI connections, among others IBP, CO2, TEMP, CO, BIS and TOF. With the CSM-1500, an input unit can be connected directly to the main unit and used as an integrated monitor.
Core unit connections	1 × network, 3 × USB, 1 × HDMI, 1 × serial, 2 × multilink. Via multilink the monitor receives data from external equipment such as an anaesthesia or ventilation device.
Network and interfaces	LS-NET (Life Scope Networking, Ethernet LAN) to central monitors, other bedside monitors and server; connection to the hospital network with HL7 output. Interbed: individual screen or display of 20 beds. Network printer (A4) can be connected via the LAN port.
Trends and review	Trends (graphic and table) 72 hours; full disclosure 72 hours for 5 waveforms (24 hours when the transport function is enabled); alarm history 16,384 items.
Transport function	Patient data and review can be transferred to another bed by disconnecting the input unit and connecting it to the destination monitor (requires optional memory unit QM-600P in the input unit). A Life Scope PT from the BSM-1700 series can be used as an input unit.
Dimensions and weight (approx.)	CSM-1501 (CU-151R): 341 × 294 × 204 mm (W × H × D), 6 kg. CSM-1502 (CU-152R): 403 × 302 × 204 mm (W × H × D), 7 kg.
Power	AC 100 to 240 V, 50 or 60 Hz; AC power consumption <= 120 VA; DC (battery) 10.8 V.

Battery	Optional battery pack SB-950P (lithium-ion), 2 units. Operating time with 2 battery packs (indicative): CSM-1501 5 hours, CSM-1502 4 hours, with new, fully charged battery packs, approx. 25 °C, monitoring of ECG and respiration (impedance), recorder not in operation and no alarm.
Environment	Operating: 5 to 40 °C, 30 to 85% RH (non-condensing), 700 to 1060 hPa. Transport and storage: -20 to +65 °C, 10 to 95% RH, 700 to 1060 hPa. Cooling: natural (no fans).

Request Life Scope G5

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