Nihon Kohden · Patiëntmonitoring

Life Scope PT

BSM-1733 / BSM-1753 / BSM-1763

Compact bedside monitor from Nihon Kohden for transport monitoring, with a 5.7-inch touchscreen, three MULTI connections and approx. 5 hours of battery life. Available as BSM-1733, BSM-1753 and BSM-1763.

Screen	Weight	Battery life
5.7-inch colour…	**1.57 kg with battery…**	**approx. 5 hours**

Description

The Life Scope PT (BSM-1733, BSM-1753 and BSM-1763) is a bedside monitor from Nihon Kohden that is intended for transport monitoring. The device has a 5.7-inch touchscreen, a transport mode and a standard mode, and three MULTI connections on which the monitor automatically recognises the type of sensor cable.
The three versions differ in the SpO2 technology used: Masimo (BSM-1733), Nellcor (BSM-1753) or Nihon Kohden (BSM-1763). With the battery, the monitor weighs 1.57 kg.

Specifications

Type	Bedside monitor for transport monitoring, display, review, storage and alarming of multiple physiological parameters in adult, paediatric and neonatal patients. Two display modes: transport mode and standard mode.
Versions (SpO2 technology)	BSM-1733: Masimo SpO2. BSM-1753: Nellcor SpO2. BSM-1763: Nihon Kohden SpO2.
Screen	5.7-inch colour TFT touchscreen; resolution 640 × 480 dots; visible area 115.2 × 86.4 mm.
Waveform display	Maximum of 9 waveforms (12 waveforms with 12-lead ECG). Sweep speed 50, 25, 12.5 or 6.25 mm/s.
Standard parameters	ECG (3, 6 or 10 electrodes), respiration (impedance method), SpO2, NIBP and temperature (maximum 2 channels).
Parameters via MULTI connections	Three MULTI connections (smart cable): the monitor automatically recognises the connected cable type. Per connection, IBP, cardiac output (CO), CO2, BIS or SpO2-2 is possible. IBP maximum 3 channels; CO via thermodilution.

ECG analysis	Arrhythmia detection with multi-template matching (ec1 software), up to 23 arrhythmia items. With 10 electrodes: 12-lead ECG simultaneously on the screen and 12-lead interpretation (ECAPS 12C). ST analysis up to 12 channels (10 electrodes).
NIBP	Oscillometric; measurement mode deflation and inflation (iNIBP). Measurement range adult/child: SYS 40–280 mmHg, DIA 10–235 mmHg, MAP 10–280 mmHg. Neonate: SYS 30–140 mmHg, DIA 10–110 mmHg, MAP 10–140 mmHg. Operating modes: manual, STAT, periodic, lumbar.
SpO2 and pulse rate	Declared range 70–100% SpO2. Pulse rate display range: BSM-1733 25–240, BSM-1753 20–300, BSM-1763 30–300 beats/min. PI available on BSM-1733 and BSM-1763. ?SpO2 alarm only on BSM-1763.
esCCO (optional)	Continuous, non-invasive cardiac output (esCCO, esCCI, esSV, esSVI) with optional software QP-172P; according to the technical data only on the BSM-1763.
Storage and review	Trend graphs, vital signs list, full disclosure (maximum 5 waveforms), arrhythmia and ST recall: up to 72 hours (24 hours in transport mode). Alarm history: 32,768 files (8,192 in transport mode). NIBP list: 2,048 files (512 in transport mode).
Alarms	Alarm levels: crisis (red, flashing), warning (yellow, flashing) and advisory (yellow or blue, continuous). Alarm indicator on top of the monitor; alarm suspend 1, 2 or 3 minutes; escalation alarm.
Dimensions (W × H × D)	147 × 194 × 94 mm (excluding protruding parts), both without and with battery. With the optional wireless LAN station the height is 210 mm. Approximate values.
Weight	1.4 kg without battery and options; 1.57 kg with battery (SB-170P).
Battery	Lithium-ion battery SB-170P (1 piece); operating time approx. 5 hours (new, fully charged battery, no options, normal temperature). Charging time approx. 4.5 hours.
Power	Direct current 9.0–12.6 V via battery, AC cradle SC-170R or host monitor. With the cradle SC-170R: 100–240 V AC, 50 or 60 Hz, 80 VA.
Network and interfaces	LS-NET (Ethernet LAN) via AC cradle SC-170R to Nihon Kohden central monitors and bedside monitors. Optional wireless LAN via station QI-170P (IEEE 802.11a/b/g/n) and telemetry via transmitter ZS-900PG. Interbed: data from other Life Scope bedside monitors, up to 9 beds.
Environment	Operating: 10–40 °C, 30–85% RH (non-condensing), 700–1060 hPa. Transport and storage: –20 to +65 °C, 10–95% RH, 700–1060 hPa.
Robustness	Mechanical strength according to MIL-STD-810F (514.5 vibration; 516.5 shock, procedure IV, transit drop). Protection against water and solid particles: IPX2 and IP3X.

User interface languages	Including Dutch, English, German, French, Spanish and Italian (full list in the technical data).

Request Life Scope PT

Price always on request. We send a quote tailored to you, for one system or several.

Call 033 434 50 60 · info@vcmmedical.nl · vcmmedical.nl/en/request-a-quote/

Product sheet of 12 November 2026, generated automatically from the data on the website. Subject to change. Current data: vcmmedical.nl/en/systems/life-scope-pt/