Supreme ease of use
Ideal fit for your site
Large display, small footprint

Flexible installation

Convenient setting with wall mount kit
Wall mount frees space for patient and care giving staff.

Easy availability
The cart and transmitter provide flexible operation. Central monitoring with the transmitter allows more comprehensive monitoring.

BSM-3763 with KG-951P wall mount

BSM-3763 with KC-600P stand and ZS-900P
Flexible choice of parameters
Exactly the specifications you need for most ICU, CCU, OR, and ER needs

High quality
Reliable design and production quality for long operating life

Intuitive operation
Touch screen operation allows direct access to what you want to do

Compact
BSM-3700 has a large screen but a small footprint. You can arrange the patient environment for most efficient care.

Wireless LAN station option
Mobile monitoring is available with the wireless LAN option. *You must confirm the radio communication regulations with your country’s distributor.

BSM-3763 installed on narrow space
BSM-3562 with QI-320PA LAN transmitter
Common features of Nihon Kohden monitors

Smart Cable™ system - new modular technology

When you plug a Smart Cable™ into a MULTI connector, it automatically detects the type of parameter and starts measuring. The combination of fixed basic parameters and flexible MULTI connector parameters allows flexible monitoring for different patient conditions. You get complete modular flexibility at a significantly reduced cost and without the inconvenience associated with traditional modular systems.

Highly accurate ec1 arrhythmia analysis

For patients who don’t need invasive blood pressure monitoring

PWTT (Pulse Wave Transit Time) triggered NIBP measurement increases the chance to detect a sudden change in blood pressure. PWTT can be calculated from ECG and SpO₂ non-invasively. If PWTT exceeds a threshold during periodic NIBP measurement, it triggers NIBP measurement.

*BSM-3562K and BSM-3763K only

Highly reduced false alarm rate allows more efficient care

Nihon Kohden’s ec1 arrhythmia algorithm can reduce false alarms by 80%. ec1 has been evaluated with world standard arrhythmia databases as well as Nihon Kohden’s ECG database.
Powerful review with easy access to historical data

**Smart data review**
- Up to 24 hours (72 hours with option) of 5 selected full disclosure waveforms
- Time is synchronized across all trend screens
- Trend table and trend graph can be customized for each patient condition
- Vital sign trend table, NIBP trend table, trend graph, arrhythmia recall, full disclosure, and alarm history provide comprehensive review

For safer patient care

**ETCO₂ measuring for safer monitoring**
- Most effective parameter to prevent respiratory incidents
- Early detection of trouble in breathing or ventilator

**Early warning of these critical events**
- Kink
- Disconnection
- Inadequate ventilation
- Apnea
- Obstruction
- Esophageal intubation
- Leak
- Inadequate gas flow
- Malfunction

**Comparison of response time when oxygen supply stopped**
- CO₂ monitor: 4 min left
- SpO₂: 1 min left
- ECG: 10 sec left
Network capability

Interbed monitoring

Interbed function lets you monitor other beds without a central monitor

Even if you are away from the patient, you can view that patient’s alarm status on another bedside monitor. When you hear an alarm sound, confirm which patient is alarmed and use “Multiple Beds window” and “Individual Bed window” to see the alarm waveforms for the alarming patient.

Multiple Beds Window
When an alarm occurs in ICU 2, a monitor in ICU 1 alarms and indicates the alarm on the Interbed window.

Individual Bed Window
Touch the screen of the patient to display detailed data.

Consumables

<table>
<thead>
<tr>
<th>CO₂ sensor</th>
<th>SpO₂ sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fast response with no lag time</strong></td>
<td><strong>Water resistant</strong></td>
</tr>
<tr>
<td><strong>No warm-up time</strong></td>
<td><strong>Durable</strong></td>
</tr>
<tr>
<td><strong>No heater or motor</strong></td>
<td><strong>P225F, finger</strong></td>
</tr>
<tr>
<td><strong>No sampling tube</strong></td>
<td><strong>Durable and easy to use</strong></td>
</tr>
</tbody>
</table>

**Mainstream, non-intubated and intubated patients**

- CO₂ sensor kit TG-920P
- Airway adapter R804
- Oral/nasal adapter V922
- V923, with oxygen cannula adapter

**Mainstream, intubated patients**

- CO₂ sensor kit TG-970P
- Airway adapter R805, dead space 4 ml
- Airway adapter R806, dead space 1 ml

**Durable**

- TL-651T3, large finger
**Transmitters**
A Life Scope Vs monitor with ZS-900PK transmitter can transmit data to the central monitor wirelessly.

**LAN**
A Life Scope Vs monitor with a WLAN adapter or LAN cable can transmit data to the central monitor wirelessly or by a hardwired network.

**NetKonnect**
With optional NetKonnect software, you can review real-time patient data and history such as full disclosure data and arrhythmia history anytime and anywhere from a PC with a web browser.

**HL7 Gateway**
An HL7 gateway connects the LS-NET monitor network to the hospital or clinical information system (HIS, CIS). Vital sign data, alarm history, arrhythmia and ST recall, 12-lead analysis reports, and waveforms* in the bedside monitor can be transferred using HL7 protocol.

*Some limitations apply to transferring waveforms.

**Disposable electrode**
P311C, finger-tip
G203, adult, general
G272A, adult or child, pre-wired
G272A, adult or child

**Electrode lead**
P203A, adult finger
P203B, child finger
K916, for 3 electrodes

**NIBP cuff**
S949B, adult
S944B (13 cm) or S944C (15 cm)

**Accessory set**
Electrode lead
K911 (IEC type) or K911A (AHA type)
ECG connection cord
K922 (IEC type) or K922A (AHA type)
SpO₂ connection cord
K931
Air hose for NIBP
S902

Disposable electrode
G203

Network capability
Transmitters
A Life Scope Vs monitor with ZS-900PK transmitter can transmit data to the central monitor wirelessly.

Doctor’s office
OR
ICU
CCU
NICU
Hospital Network (HIS/CIS)
NetKonnect Server
Firewall
Internet
Web browser
HL7 Gateway
Transmitters
General ward
General ward
General ward
General ward
General ward
Specifications

Display
BSM-3500K 12 inch, color TFT type LCD
BSM-3700K 15 inch, color TFT type LCD

Resolution
BSM-3500K
800 × 600 dots
BSM-3700K
1024 × 768 dots

MULTI connector

| BSM-3532K | 2 | Masimo SpO₂ connector model |
| BSM-3552K | 3 | Nellcor SpO₂ connector model |
| BSM-3562K | 3 | Nihon Kohden SpO₂ connector model |
| BSM-3733K | 2 | Masimo SpO₂ connector model |
| BSM-3753K | 2 | Nellcor SpO₂ connector model |
| BSM-3763K | 2 | Nihon Kohden SpO₂ connector model |

Number of waveforms
BSM-3500K
Max.14
Max.15

Waveform display mode
Non-fade moving or non-fade fixed

Parameters
ECG (3/6/10 lead), Resp, SpO₂, NIBP, Temp, CO₂, IBP, CO, EEG, BIS, Gas, FLOW/Paw

External devices
CCO, SvO₂, tcPCO₂, TOF, ventilator, anesthesia workstation

Saved waves
24 hours (72 hours, max. 5 waves, with optional QM-601P)

Trend graph
24 hours (72 hours with optional QM-601P)

Numerical value list
24 hours (72 hours with optional QM-601P)

Arrhythmia recall
8,192 events (16,384 events with optional QM-601P)

Alarm history
8,192 events (16,384 events with optional QM-601P)

Hemodynamics data
512 files (1,024 files with optional QM-601P)

Battery operation time
BSM-3500K 1.5 h
BSM-3700K 1.0 h

Recorder
3 traces (with optional WS-371P)

Network Interface
Standard

Multi Link Interface
2 (with optional QI-372P*)

Transmitter interface
Standard

Interbed
16 beds

RGB output
(with optional QI-372P*)

ECG/BP output
(with optional QI-372P*, delay time: ECG within 20 ms, BP within 40 ms)

Dimensions
BSM-3500K W370 × H310 × D172 mm
BSM-3700K W430 × H350 × D172 mm

Weight
BSM-3500K 6.2 kg
BSM-3700K 7.4 kg

External devices

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO₂</td>
<td>Nihon Kohden AG-400RA/RK QF-905P</td>
</tr>
<tr>
<td>Anesthetic gas</td>
<td>Nihon Kohden AG-920RA/RK QF-904P</td>
</tr>
<tr>
<td>FLOW/Paw</td>
<td>Nihon Kohden GF-120PA/GF-220R YJ-600P/4J-610P (GF-220R)</td>
</tr>
<tr>
<td>EEG</td>
<td>Nihon Kohden AE-91BP</td>
</tr>
<tr>
<td>BIS monitor</td>
<td>Aspect Medical Systems A-2000, BIS VISTA, BIS VIEW QF-902P</td>
</tr>
<tr>
<td>CCO/SvO₂</td>
<td>Edwards Lifesciences Vigilance, Vigilance II, Vigileo QF-903P</td>
</tr>
<tr>
<td>Pulsion Medical Systems PICCO QF-911P</td>
<td></td>
</tr>
<tr>
<td>Hospira</td>
<td>Q-VUE/O2/O2 plus computer IF-922P</td>
</tr>
<tr>
<td>tcPCO₂</td>
<td>Radiometer Medical MicroGas 7650 IF-913P</td>
</tr>
<tr>
<td>Radiometer Medical TCM4, TCM40 IF-914P</td>
<td></td>
</tr>
<tr>
<td>TOF</td>
<td>Organon TOF watch SX QF-909P</td>
</tr>
<tr>
<td>Ventilator</td>
<td>Dräger Evita, Evita2, Evita4, Savina, EvitaXL QF-901P</td>
</tr>
<tr>
<td>Puritan Bennett NPB-740, NPB-840 QF-907P</td>
<td></td>
</tr>
<tr>
<td>Puritan Bennett 7200 IF-923P</td>
<td></td>
</tr>
<tr>
<td>MAQUET Servo i, servo s QF-908P</td>
<td></td>
</tr>
<tr>
<td>HAMILTON MEDICAL Galileo, Raphael, G5, C2 IF-917P</td>
<td></td>
</tr>
<tr>
<td>Anesthesia workstation</td>
<td>Primus, Primus Infinity Empowered, Apollo, Pallas, Fabius GS, Fabius GS Premium, Fabius Tiro, Fabius plus QF-920P</td>
</tr>
</tbody>
</table>

Accessory set

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Y212A</th>
<th>Y212B</th>
<th>Y213A</th>
<th>Y213B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrode lead (3 electrodes)</td>
<td>K911, IEC type</td>
<td>K911A, AHA type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECG connection cord</td>
<td>K922, IEC type</td>
<td>K922A, AHA type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disposable electrode</td>
<td>G203</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SpO₂ connection cord (Nihon Kohden)</td>
<td>K931</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air hose for NIBP</td>
<td>S902</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIBP cuff</td>
<td>S944B, 13 cm</td>
<td>S944C, 15 cm</td>
<td>S944B, 13 cm</td>
<td>S944C, 15 cm</td>
</tr>
</tbody>
</table>

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