New Dimensions of High-Spec Monitor

DYNASCOPE **7000** Series

DS-7300

Bedside Monitor

DS-7300 is bedside monitor which incorporates 15 inch Color LCD. This high performance model equipped with touch keys on the screen enables simple and easy operation ever.

FUKUDA DENSHI CO.,LTD.
39-4, Hongo 3-chome, Bunkyo-ku, Tokyo 113-8483, Japan
Tel: +81-3-5684-1455 Fax: +81-3-3814-1222

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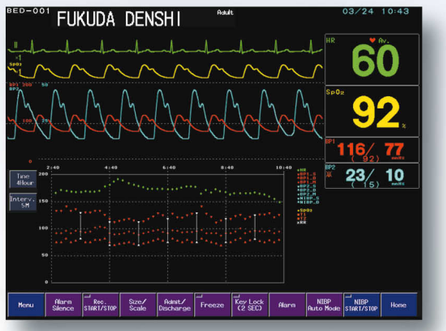
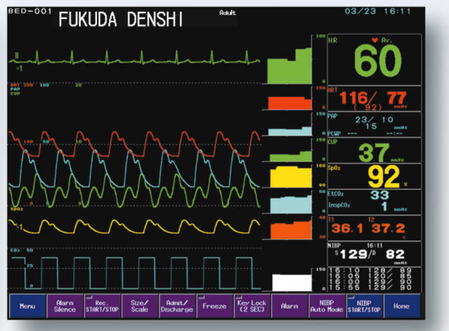
New dimensions of the high-spec monitor for where flexibility and compatibility are required

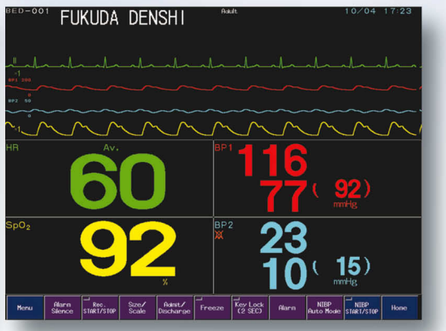
DS-7300 high-performance bedside monitor features flexible functions demanded by intensive-care environment such as ICU and CCU.



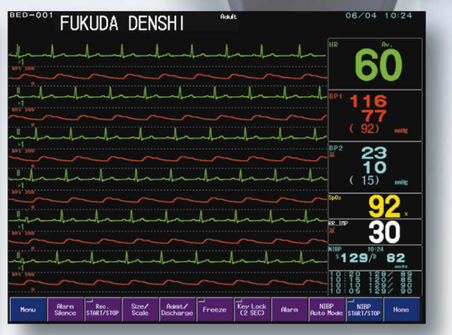
6 waveforms and 6 trend graph



Standard Display with short trend



Enlarged Numeric Display



Block Cascade

Delicately coping with demanding needs in the ICU, CCU and OR...

DS-7300

Bedside Monitor

Multi-role amplifiers enable flexible system configuration

Besides the ECG amplifier, DS-7300 is equipped with multi-role amplifiers, which can process blood pressure, cardiac output and temperature signals, thereby enabling the medical staff to configure an optimum system for each patient.

Flexible system layout

DS-7300 system enables the medical staff to separately place the monitor display and input module in the most suitable positions for the monitoring environment.

Abundant graphic displays

Besides real-time waveforms, DS-7300 displays various data such as trend graphs, OCRG and respiration information, thereby realizing an optimized presentation of patient information including vital signs.

DYNASCOPE **7000** Series

DS-7300
Bedside Monitor

Multi-role amplifiers enable flexible combination of vital signs parameters.

Invasive blood pressure, temperature and cardiac output are measured through multi-role amplifiers, and 12-lead ECG amplifier is standard equipped.
In addition, the most recent technologies are used for SpO_2 and $EtCO_2$ measurement.
Thus, DS-7300 can be configured to monitor all necessary parameters in intensive-care rooms.

Abundant screen configurations for different monitoring environments enable the staff to immediately notice any change of the patient status.

Review data can be displayed together with real-time waveforms.
Furthermore, the block-cascade display enables the staff to monitor a waveform of 90 seconds or more.

Input modules available in four models

The four models differ in the measuring capability of $EtCO_2$ and in provision of 3-channel recorder.

Referring to the table, the most suitable model for each individual application can be selected.

Input/Model	HS-710	HS-710E	HS-720	HS-720E
12-lead ECG	○	○	○	○
IBP (1-8max)	○	○	○	○
NIBP	○	○	○	○
SpO_2	○	○	○	○
Temp (1-8max)	○	○	○	○
$EtCO_2$	×	○	×	○
3ch recorder	×	×	○	○

Four multi-role amplifiers for flexible vital signs combination

The input connector of each multi-role amplifier can connect to the interface cable of IBP, temperature or cardiac output.
In addition, IBP or temperature can be measured in two channels through one input connector.

	Config. Example 1	Config. Example 2	Config. Example 2
Multi-role connector 1	IBP 1, IBP 2	IBP 1, IBP 2	IBP 1, IBP 2
Multi-role connector 2	IBP 3, IBP 4	IBP 3, IBP 4	IBP 3, IBP 4
Multi-role connector 3	IBP 5, IBP 6	Temp.1, Temp.2	Temp.1, Temp.2
Multi-role connector 4	Temp.1, Temp.2	Temp.3, Temp.4	Cardiac Output

$EtCO_2$ measurement possible even in non-intubated patients

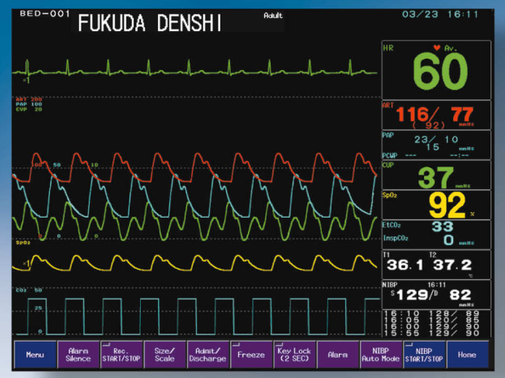
The applied Oridion's MicroStream® enables end-tidal carbon dioxide concentration whether the patient is intubated or not.

Filter Line H Set
(Intubated)
XSO4624 (For Adult/Pediatric)

CapnoLine H
(Non-Intubated, Nasal)
008177 (For Adult)

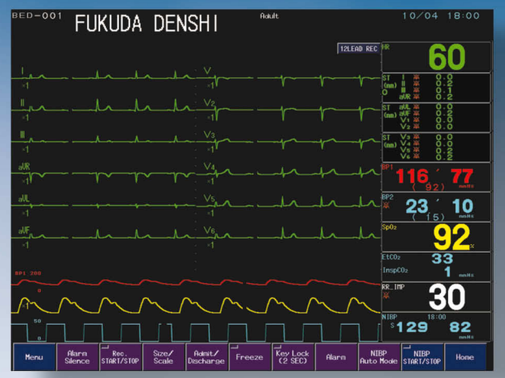
CapnoLine H/O_2
(Non-Intubated, Nasal, With O_2 line)
008180 (For Adult)

Real-time waveform display



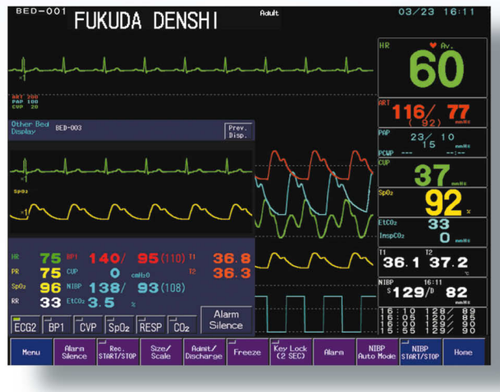
12 waveforms can be selected in a desired combination on the 15-inch high definition LCD screen.

12-lead ECG display



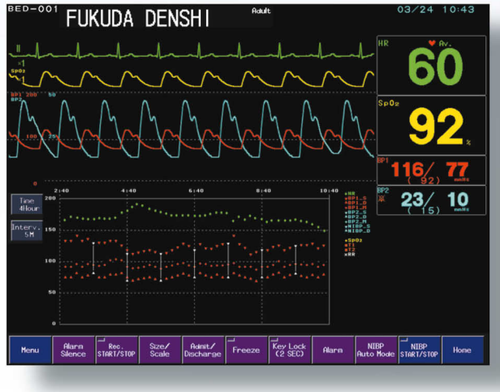
The input module is provided standard with a 12-lead ECG amplifier, thereby enabling the staff to monitor 12-lead ECG waveforms by connecting the lead cable to the connector.
Besides the 12-lead ECG waveforms, three desired waveforms can be selected for display.

Other bed display



The monitor can display two waveforms and measurements of another bedside monitor connected through the LAN.
Since these vital signs parameters are displayed on the Other Bed window, monitoring of the attended bed is not disturbed.

Monitoring in intensive-care rooms



Trend graphs can be displayed below real-time waveforms.
The display format of the graphic area is selectable from two types:
"6 waveforms + 6 range trend graphs" and
"9 waveforms + 3 range trend graphs."
In the neonate room, the graphic area can include OCRG.
Simultaneous display of real-time waveforms and review data enables monitoring of vital signs parameters changing in time series.

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Bedside Monitor

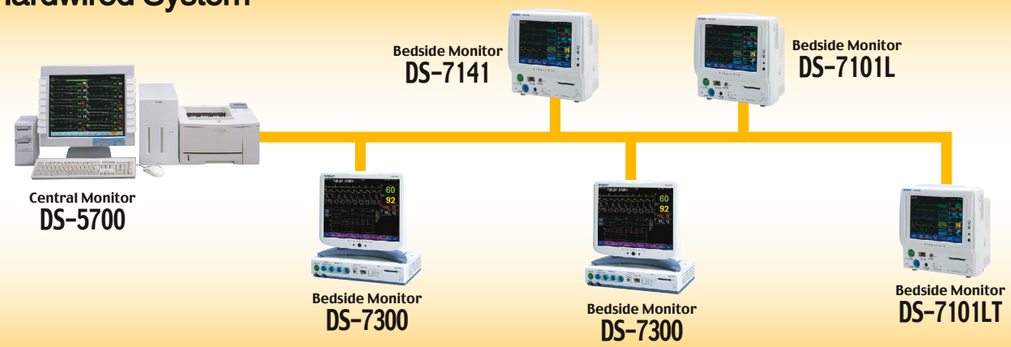
Network communications

Shown here are typical network systems coping with concentrated care at the nurse station.
Optimum system will be available to meet the number of beds or unit size.

Installation Example

Telemetry System

Hardwired System



Telemetry & ardwired System

Specifications

Display	Type	15inch, TFT color LCD
	Number of colors	32
	Waveforms	12
		15 (when 12-lead ECG is displayed)
	Waveform Display	Stationary trace mode, FREEZE function provided
	Sweep Speed	Circulatory: 6.25, 12.5, 25, 50mm/s
		Respiratory: 6.25, 12.5, 25mm/s
	Waveform Display Time	Approx. 9 sec.
		Maximum 108 sec. (Block cascade)
	Parameters	ECG, 12-lead ECG, RESP, SpO_2, PLUSE, NIBP,
		IBP (Max.8), TEMP (Max.8), CO, $EtCO_2$
Operation	Touch panel	
ECG	Arrhythmia Analysis	ASYSTOLE, VF, VT, Slow VT, TACHY, BRADY, RUN,
		COUPLET, BIGEMINY, TRIGEMINY, PAUSE, FREQUENT
	ST Measurement	12-lead
List Trend	24 Hours (1440 events)	
List Items	17 items	
Graphical Trend	24 Hours	
Graphical Item	3 Patterns	
NIBP List	120 events (Measurement Time, Value, HR, PR, SpO_2)	
Recall	200 events	
Recorder	3ch waveform recording, Graphical recording	
Network Communication	Hardwired	DS-LAN II
	Telemetry (Option)	HLX-501 (400MHz band) or HLX-561 (600MHz band)
Safety	Regulatory Standard	IEC60601-1
	Electrical Shock Protection	Class I, Type CF
	Conformity	CE Marking per 93/42 EEC Directive
Power	Power Requirements	100-240V ±10%, AC 50/60Hz
	Power Consumption	Main Unit: 150VA max., Super Module: 230VA max.
Enviromental Conditions	Operation Temperature	10-40℃
	Operation Humidity	30-85% R.H.
	Storage Temperature	-10-60℃
	Storage Humidity	10-95% R.H. (at 60℃)
Dimentions	Main Monitor	370(W) X 197(D) X 271(H) mm
	15 inch Display Panel	350(W) X 97(D) X 300(H) mm
	Super Module	382(W) X 250(D) X 87(H) mm
Weight	Main Monitor	Approx. 3.8kg
	15 inch Display Panel	Approx. 4.5kg
	Super Module	Approx. 5.7kg

Associated Equipment

DS-7100system
Portable Multi-parameter Monitor

DS-7001 (except CE and USA)
Compact Monitor with Telemetry Transmitter

HLX-501/561
Telemetry Transmitter

LX-5120/5160
Transmitter Dual-lead ECG, RESP

LX-5230/5630
Transmitter Dual-lead ECG, RESP, SpO_2

LW-5500N/5560N
Telemetry Receiver

DS-5700
16-patient Central Station