

DYNASCOPE

BDS-1001 System

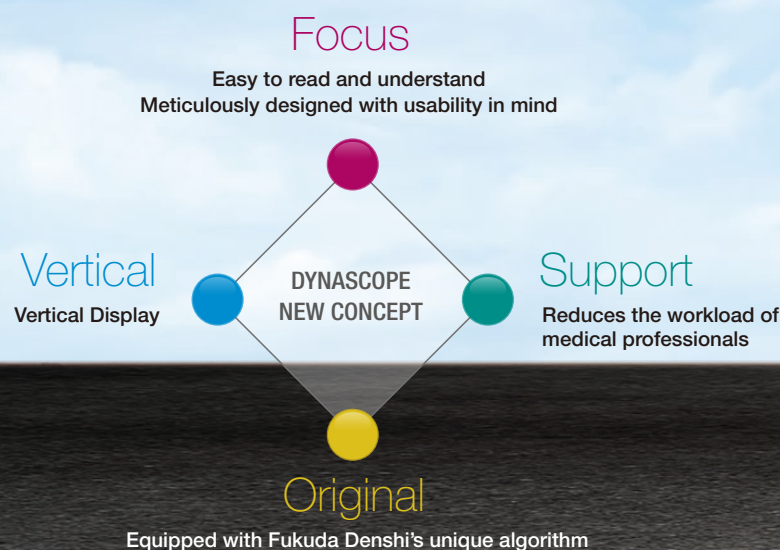


DYNASCOPE

For Each and Every Patient

A Full-Featured All-Rounder

The BDS-1001 is a patient monitoring system that has the functions to meet the diversified needs of medical professionals from various perspectives condensed into one device that can be flexibly used in various environments.



178mm

252mm

BED-001 FUKUDA
CH3010 1234567890ABCDEFG

- Adult

DYNASCOPE

12:40
01 Jan. 2025

HR (bpm)

60

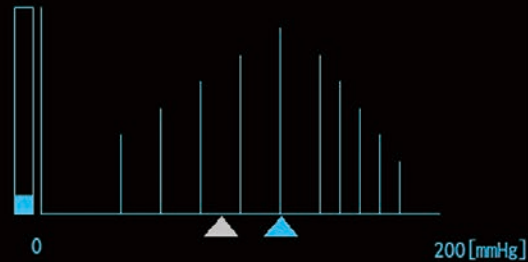
SpO₂ (%)

98

+
NFC

NIBP
(mmHg) S

14min (E)
120
90
(M 100)



D.A.

CO₂
(mmHg)

Insp 1/ Et

38



Menu



Print
Start/Stop



NIBP
Start/Stop



Recall



Alarm
Silence

FUKUDA
DENSHI

Actual size

Vertical

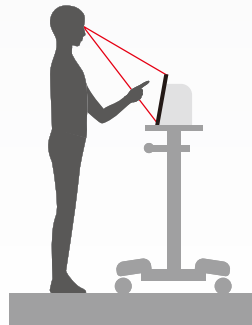
Vertical Display

Approx. 10" display that can display both measurement values and waveforms

Easy to see from the medical professional's position
Tilted display

[Angular screen]

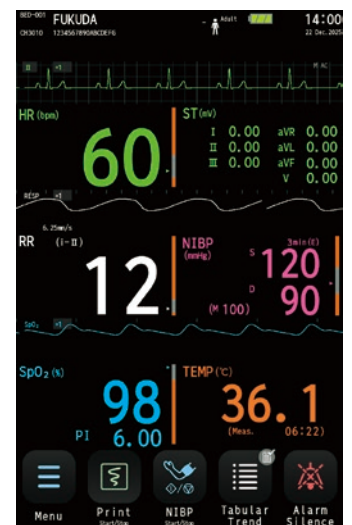
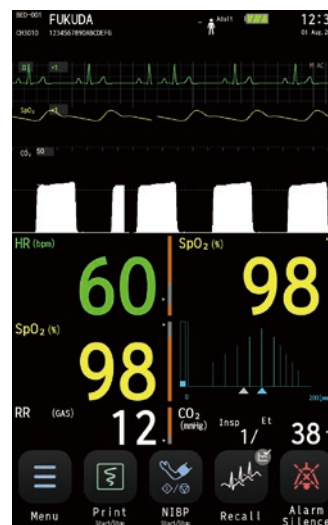
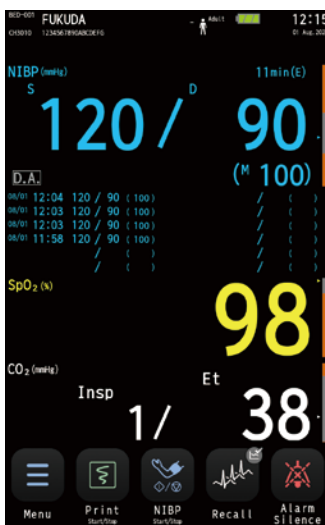
Weight
1.9kg



Convenient size

Various screen configurations

Various screen configurations are possible, including measurements only and waveform cascade display.

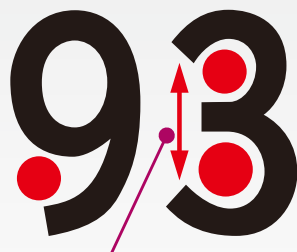




Easy to read and understand

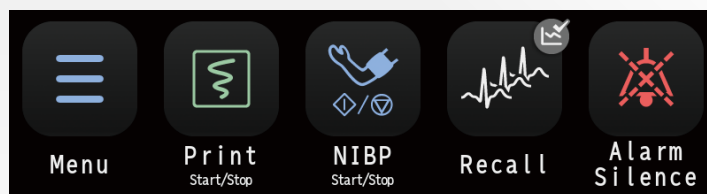
Meticulously designed with usability in mind

Features universal fonts



Designed to prevent misreading

Icons for user keys



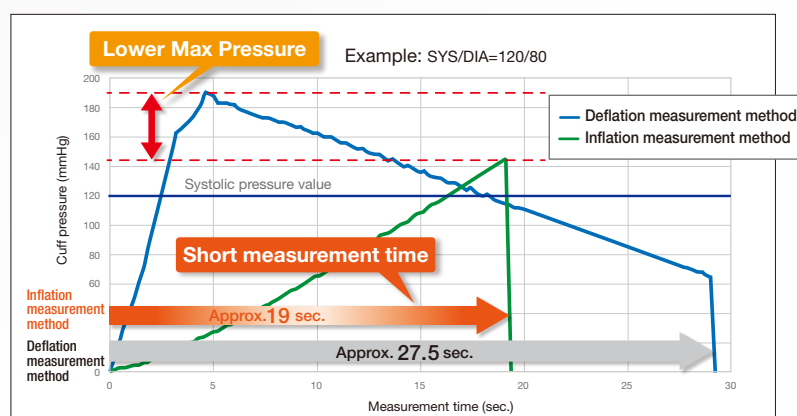
Equipped with Fukuda Denshi's unique algorithm



Pressure-increase measurement method

Realizes "gentle blood pressure measurement" with lower max pressure and shorter measurement time than conventional devices.

* By using our designated device settings and cuff, blood pressure measurement during increasing pressure (inflation measurement method) is possible.



Equipped with Fukuda Denshi's unique AF analysis flow

Features an original atrial fibrillation (Afib) analysis flow which enables analysis of 28 types of arrhythmia.



Reduces the workload of medical professionals

Scoring function to support decision making

Equipped with Early Warning Score (EWS).

Menu>Parameter>Scoring			
Score Calc	History	Setup	
NIBP-S [mmHg]	HR/PR [bpm]	TEMP [°C]	Source Select
0 → 120	0 → 60	2 → 39.1	
SpO ₂ [%]	RR [bpm]	Supp. O ₂	
0 → 98	0 → 12	2 → 0xy.	
LOC			
3 → Confusion			
EWS1			Update Setup
26 Jan. 20:00	7 →	7 ≥ 7	Refresh
Next confirmation time	History		Save
	7	7	
	26 Jan. 19:00	26 Jan. 18:00	26 Jan. 17:00



National Early Warning Score 2

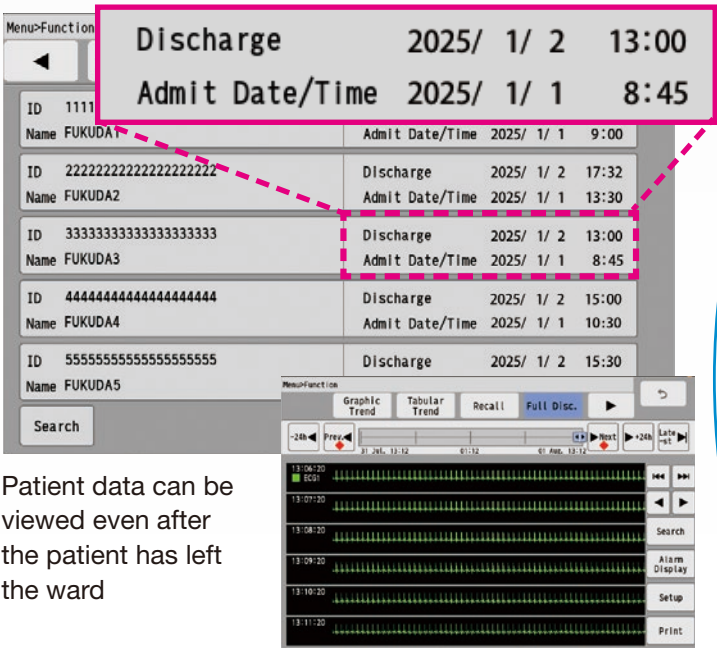
High functionality in one unit that can be used in a variety of settings

A Full-Featured All-Rounder

Stores data for up to 14 days

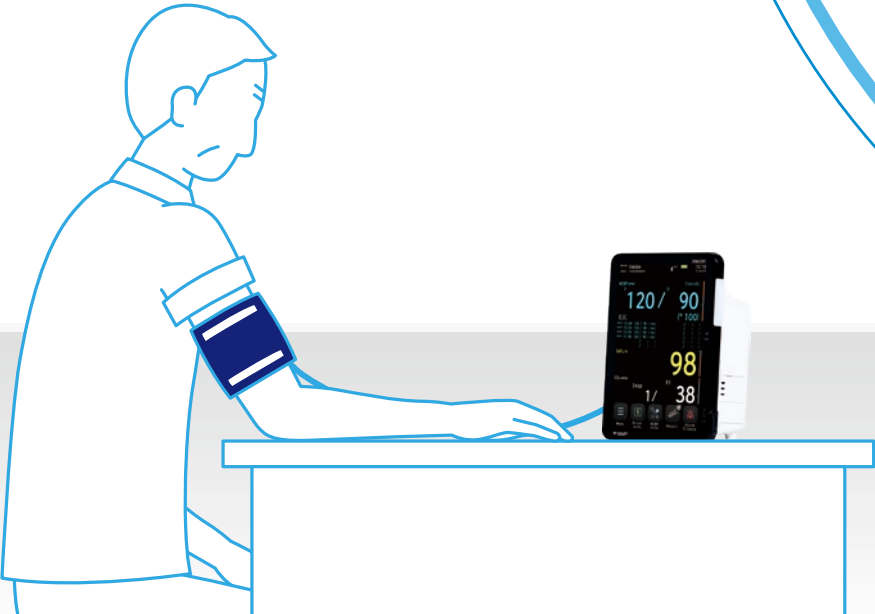
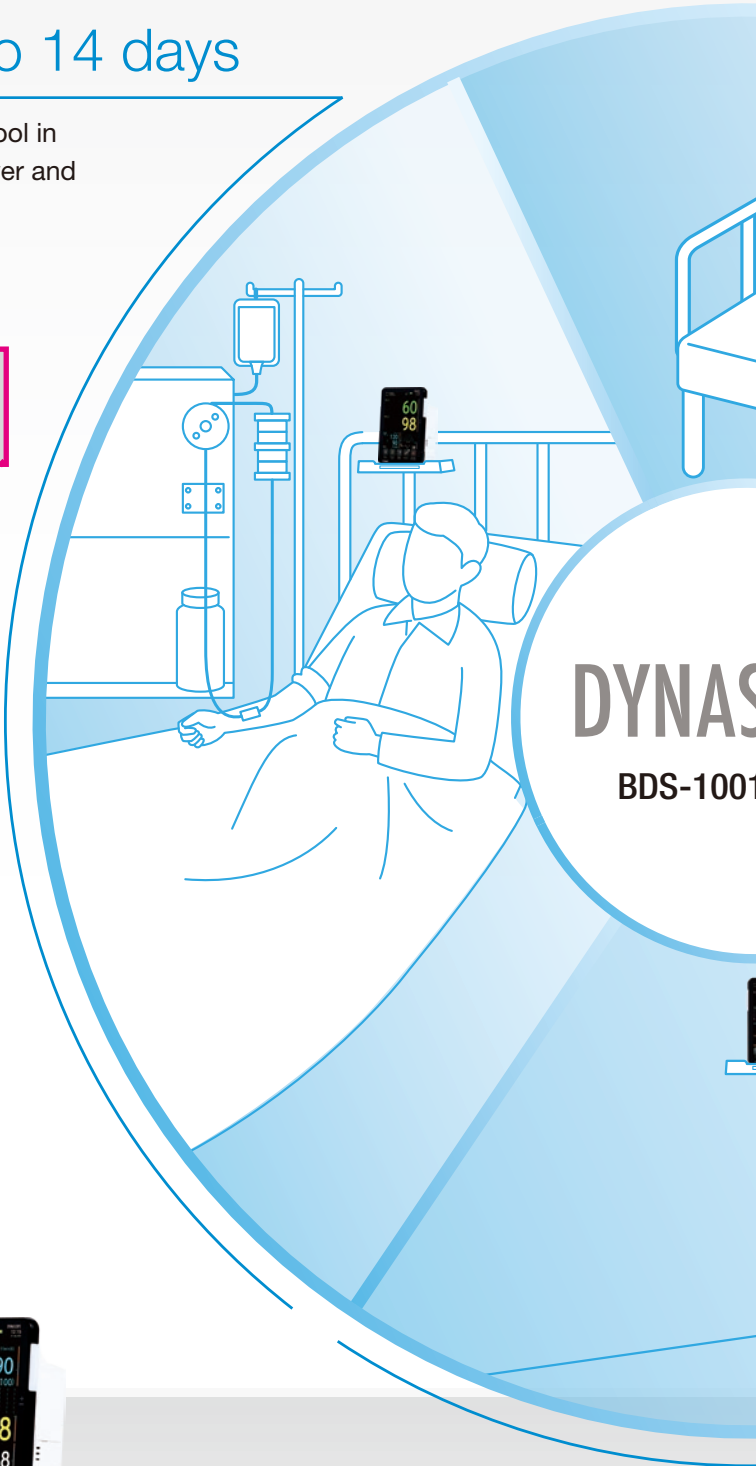
Effective as a patient data management tool in environments with frequent patient turnover and without central monitoring.

Displays the time of admission and discharge from the ward



Patient data can be viewed even after the patient has left the ward

Full Disclosure Waveform

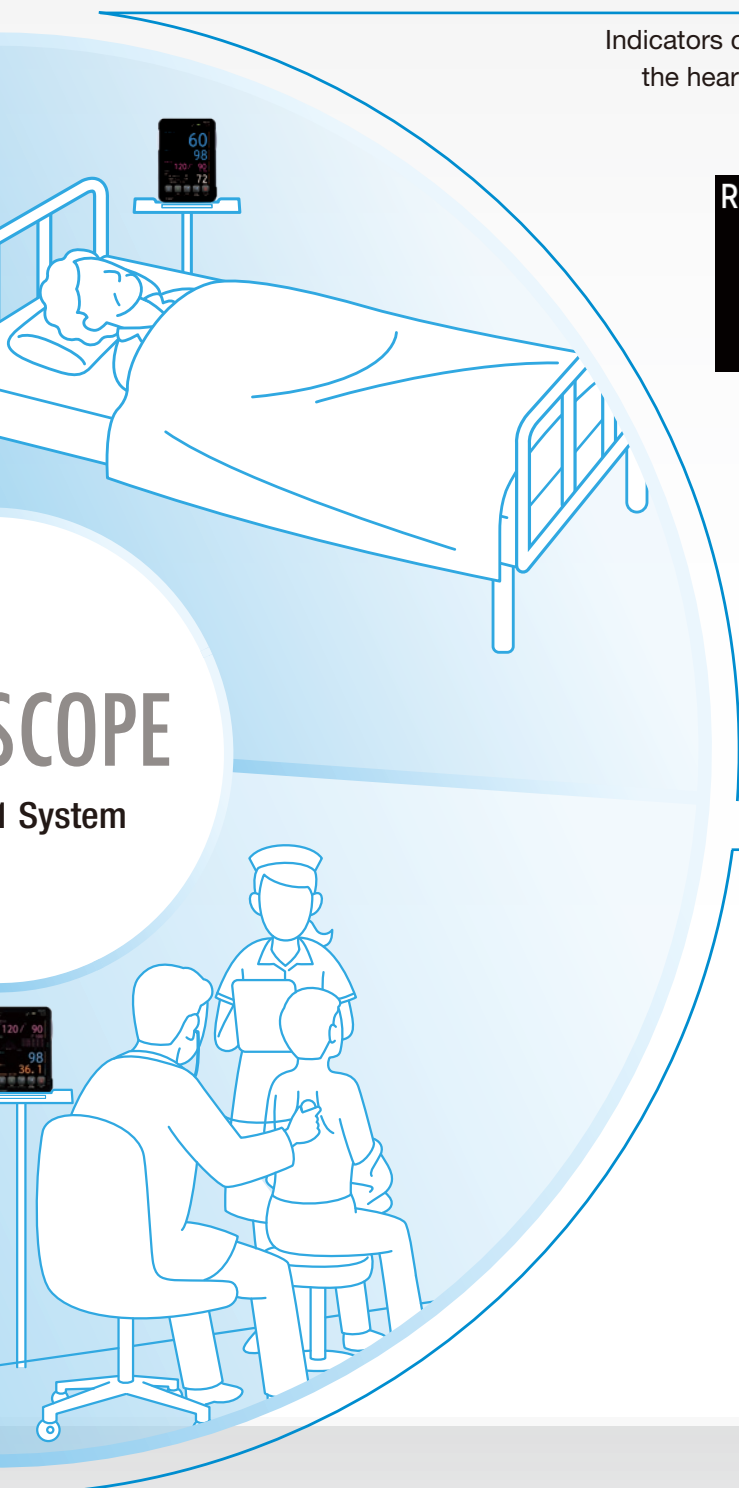


variety of environments

r

Equipped with Rate Pressure Product for monitoring cardiac function

Indicators correlating to the oxygen amount required by the heart are displayed on the main screen to enable confirmation of the patient's condition.



RPP			
PR_SpO ₂ (bpm)	60		
NIBP-S (mmHg)	120		
(Meas. 12:25)			
			72 (x100)

Inflation measurement method

The cuff that directly touches the patient is soft to the touch.

- [Inner fabric]** Since it is in direct contact with the skin, it is made from material that feels comfortable against the skin.
- [Outer fabric]** The material is easy to clean and has low shrinkage which allows the pressure of the air bag to be efficiently transferred to the upper arm.

Original cuff
line-up



Product configuration

Main unit configuration	Model	BDS-1001	
	Type	BDS-1001ENT	BDS-1001EMT
		BDS-1001NT	BDS-1001MT

* E = ECG/impedance respirometry is possible, T = built-in telemeter transmitter module,
N = Medtronic pulse oximeter, M = MASIMO pulse oximeter

Product Specifications

Measurable waveforms	ECG, respiration, pulse wave, CO ₂ *1
Measurable values	- Heart rate, pulse rate, ST level, arrhythmia - Respiratory rate, apnea time (impedance, CO₂) - SpO₂ - Non-invasive blood pressure (SYS/DIA/MAP, cuff pressure, pulse rate) - Profusion index ※Available only for MASIMO - RPP - SI - EtCO₂* - InspCO₂*
Displayable measurements	- Body temperature
Arrhythmia analysis	28 types Asystole, Pause, Prolonged RR, Ext Tachy, Ext Brady, Tachy, Brady, SVT, S Frequent, S Couplet, SVPC, Irregular RR, VF, VT, Slow VT, Run, Triplet, Couplet, R on T, Multiform, Vent Rhythm, Bigeminy, Trigeminy, Frequent, VPC, Pacer Not Caputre, Pacer Not Pacing, AFib

* Available only when HCP-110 is used

Trend Review

Trend duration	Maximum 336 hours
List duration	Maximum 336 hours
Number of recalls	Up to 300
FD waveforms	Up to 336 hours (when using SD-16G)
Alarm history	1599 records
MPDR (discharge history)	Up to 256 cases, up to 336 hours (when SD-16G is used)

Dimensions	178 mm (W) × 252 mm (H) × 133.5 mm (D) (excluding protruding parts)
Weight	Approx. 1.9 kg (not including accessories)
Display	10.1" color LCD
Resolution	1,280 x 800 pixels
No. of displayed waveforms	Up to 7
Waveform display time	Up to 6 sec.
No. of display measurements	up to 18
Printing method	Thermal printing method
Paper width	50 mm
No. of recorded waveforms	3
Waveform printing speed	50, 25 mm/s (± 5% margin)
Battery operating time	Up to 2.5 hours (under our specified conditions)
Battery charging time	Rapid Charge (when the device is not operating): 6 hours Normal Charge (when the device is operating): 12 hours
Classification by form of protection against electric shock	Class I equipment (when operating on AC power) Internally powered equipment (when battery operated)

Options

Medical devices



CO₂ Gas Unit
HCP-110*



Temporal Scanner
TAT-5000S-RS232-QR

* Manufacturer: Exergen Corporation

Recorder Unit
HR-110*

* A medical device component of the BDS-1001 system.

Accessory



Trolley (S)
OTO-16S



SD Card
SD-16G



Rechargeable
Lithium-ion Battery Pack
BTO-008



Bed Mount for Monitor
OAO-119A



Thermometer
Connection Cable
CJO-32RS0.1



Thermometer Holder
OAO-125A

FUKUDA DENSHI reserves the right to change specifications without notice.

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