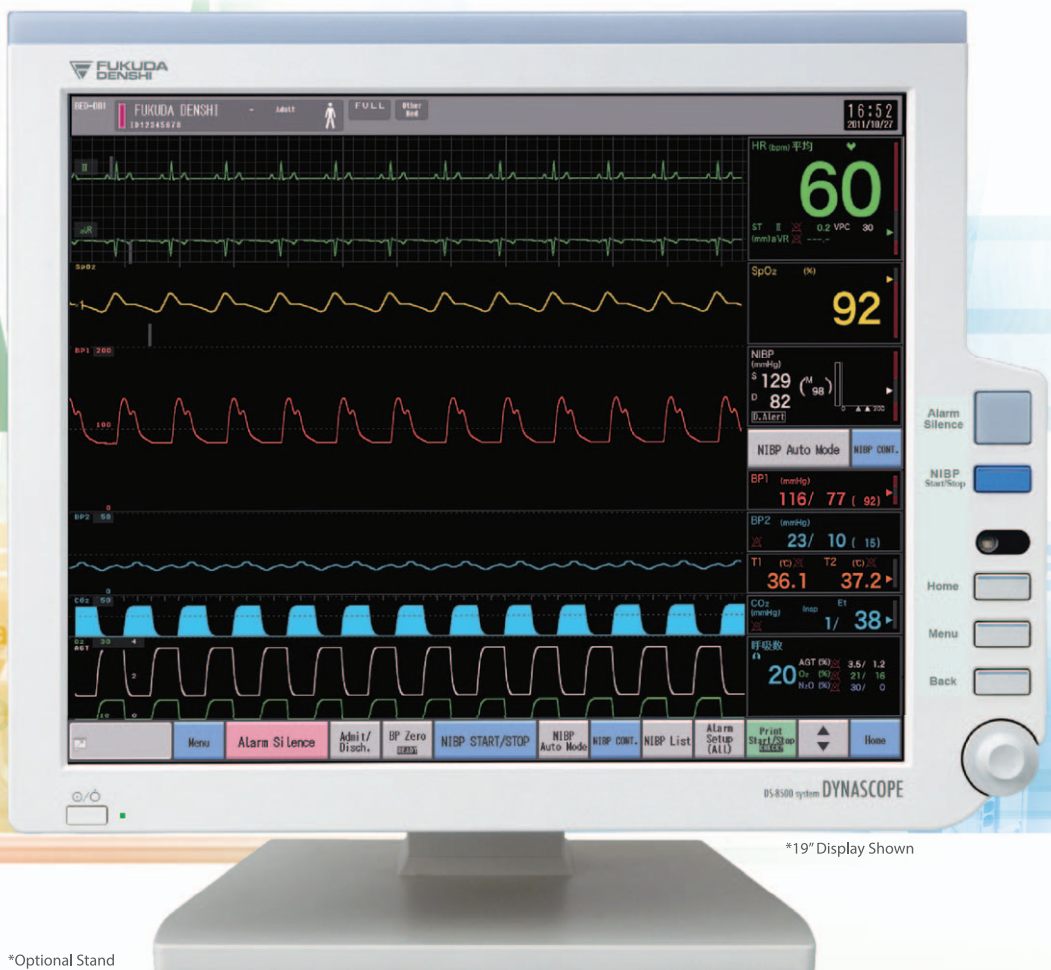




“The Pulse of Innovation”

# DS-8500 Bedside Monitor



\*19" Display Shown

\*Optional Stand

### ■ New Secure Connect Cable System



Introducing a brand new cable connector design. The Secure Connect ensures positive cable/module interface locked in place with push button release.

### ■ Modular Flexibility to Match Every Critical Care Environment



Designed to meet the needs of the modern critical care service from OR, ICU, CV-ICU to the NICU and ER. Wide choice of direct patient connected parameters with the added power of device interface to bring all your data into one totally configured display.

### ■ Innovative Design



A new intelligent interface that gives new meaning to patient monitor clarity. This is the patient monitor reimagined, comprehensive data with total control at your finger tips.

# Specification

<b>Dimensions (W)x(H)x(D)</b> (not including the protrusion)	Main Unit DSC-8510/8530	10.4" x 10.4" x 4.6"	<b>Weight</b>	Main Unit DSC-8510/8530	5.5 kg / 12.1 lbs	
	19" Display LC-8019TC	18.4" x 14.6" x 2.2"		19" Display LC-8019TC	6.0 kg / 13.2 lbs	
	15" Display LC-8015TC	15.6" x 11.7" x 2.0"		15" Display LC-8015TC	3.5 kg / 7.7 lbs	
	HS Module HS-8312N/M	3.3" x 3.9" x 7.9"		HS Module HS-8312N/M	1.2 kg / 2.6 lbs	
<b>Display</b>	19"/15" wide TFT color LCD		<b>Resolution</b>	19": 1280 x 1024 / 15": 1024 x 768		
<b>Sweep Speed</b>	Circulatory	6.25, 12.5, 25, 50 mm/s	<b>Waveforms</b>	19": Max. 28 / 15": Max. 20		
	Respiratory	6.25, 12.5, 25 mm/s	<b>Waveform Display</b>	Stationary Trace Mode		
<b>Parameters</b>	Waveform	ECG (max 12lead), IBP (max 8ch), TEMP (max 8ch), SpO2, RESP, CO2, O2 and Agent				
	Measurement	HR, ST, VPC, IBP (max 8ch), CO, SpO2 (max 2ch), SpCO (opt.), SpMet (opt.), PVI (opt.), RR, PR, APNEA, NIBP, TEMP (max 8ch), CO2, C.O., GAS_CO2, GAS_O2, GAS_N2O, GAS_AGT and GAS_MAC				
	Arrhythmia	ASYSTOLE, VF, VT, Slow VT, RUN, Tachy, Brady, Bigeminy, Frequent, Couplet, Trigeminy, PAUSE				
<b>Operation</b>	Touch Screen Method, Jog Dial with Push Key, 5 Fixed Keys (NIBP Start/Stop, Home, Menu, Previous Display and Alarm Silence)					
<b>Environmental Condition</b>	Operating Environment	Ambient Temperature	10 to 40 °C			
		Relative Humidity	30 to 85 %			
	Transport/Storage Environment	Ambient Temperature	-10 to 60 °C			
		Relative Humidity	10 to 95 %			
<b>ECG</b>	Range	Adult/Child: 0, 12 to 300 bpm	<b>SpO2</b>	Method	2 Wavelength Pulse Wave	
		Neonate: 0, 30 to 300 bpm		Range	1 to 100 %	
	Accuracy	±3 bpm		Accuracy	±3% (Nellcor™) ±2% (Masimo®)	
	Size	1/4, 1/2, 1, 2 and 4		PR Range	20 to 250 bpm (Nellcor™) 26 to 239 bpm (Masimo®)	
	HR Display Response Time	Adult/Child: 6 sec Neonate: 3 sec		PR Accuracy	±3 bpm	
	Defibrillation Proof Provided					
<b>Temperature</b>	Measurement	Thermistor Method		<b>Respiration</b>	Method	Impedance
	Range	0 to 45 °C			Range	0, 4 to 150 bpm
	Accuracy	±0.2 °C			Accuracy	±3 bpm
	Number of Channels	Max. 8		<b>Invasive Blood Pressure</b>	Range	-50 to 300 mmHg
Method	Oscillometric		Accuracy		±1 mmHg or ±2%	
	Range	Adult: 10 to 280 mmHg	PR Range		Adult: 12 to 300 bpm Neonate: 30 to 300 bpm	
		Child: 10 to 180 mmHg Neonate: 10 to 130 mmHg	PR Accuracy		±1 bpm or ±3%	
<b>NIBP (Non-Invasive Blood Pressure)</b>	Static Pressure Accuracy	±3 mmHg		<b>CO</b>	Number of Channels	Max. 8
	PR Range	40 to 240 bpm			Method	Thermodilution Method
	PR Accuracy	±2% or ±2 bpm			Range	0.1 to 20L/min
	Safety Mechanism	Adult: 300 mmHg or above	<b>EtCO2 (optional)</b>	Accuracy	Blood Temp.	17 to 45 °C ± 0.3 °C
		Child: 210 mmHg or above			Injectate Temp.	-1 to 35 °C ± 0.5 °C
		Neonate: 150 mmHg or above			Method	Mainstream (PHILIPS RESPIRONICS®)
	<b>Printer (optional)</b>	Number of Waveforms	Max. 3	Range	0 to 150 mmHg	
Printing Type		Thermal		Accuracy	0 to 40 mmHg: ±2 mmHg	
<b>Safety</b>	General Standard	IEC60601-1:1988+A1:1991+A2:1995 IEC60601-1-1: 2000		Sidestream (Microstream™)		
		EMC Standard	EN60601-1-2: 2007		Range	0 to 99 mmHg
	Electrical Shock	Class I		Accuracy	0 to 38 mmHg: ±2 mmHg	
	Conformity	CE Marking per 93/42/EEC Directive		<b>Multi GAS Function (optional)</b>	CO2/N2O	Sidestream, Non-dispersive infra-red (NDIR) Technology
	Requirements	AC 100 to 240 V, 50/60 Hz			O2	Paramagnetic Oxygen Technology
<b>Power</b>	Consumption	150 VA		Anesthetic Agents	Isoflurane, Sevoflurane, Halothane, Enflurane, Desflurane	
	<b>Useable Life</b>	6 years according to self certification		SPIRO Function	Flow, Volume, Pressure	



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