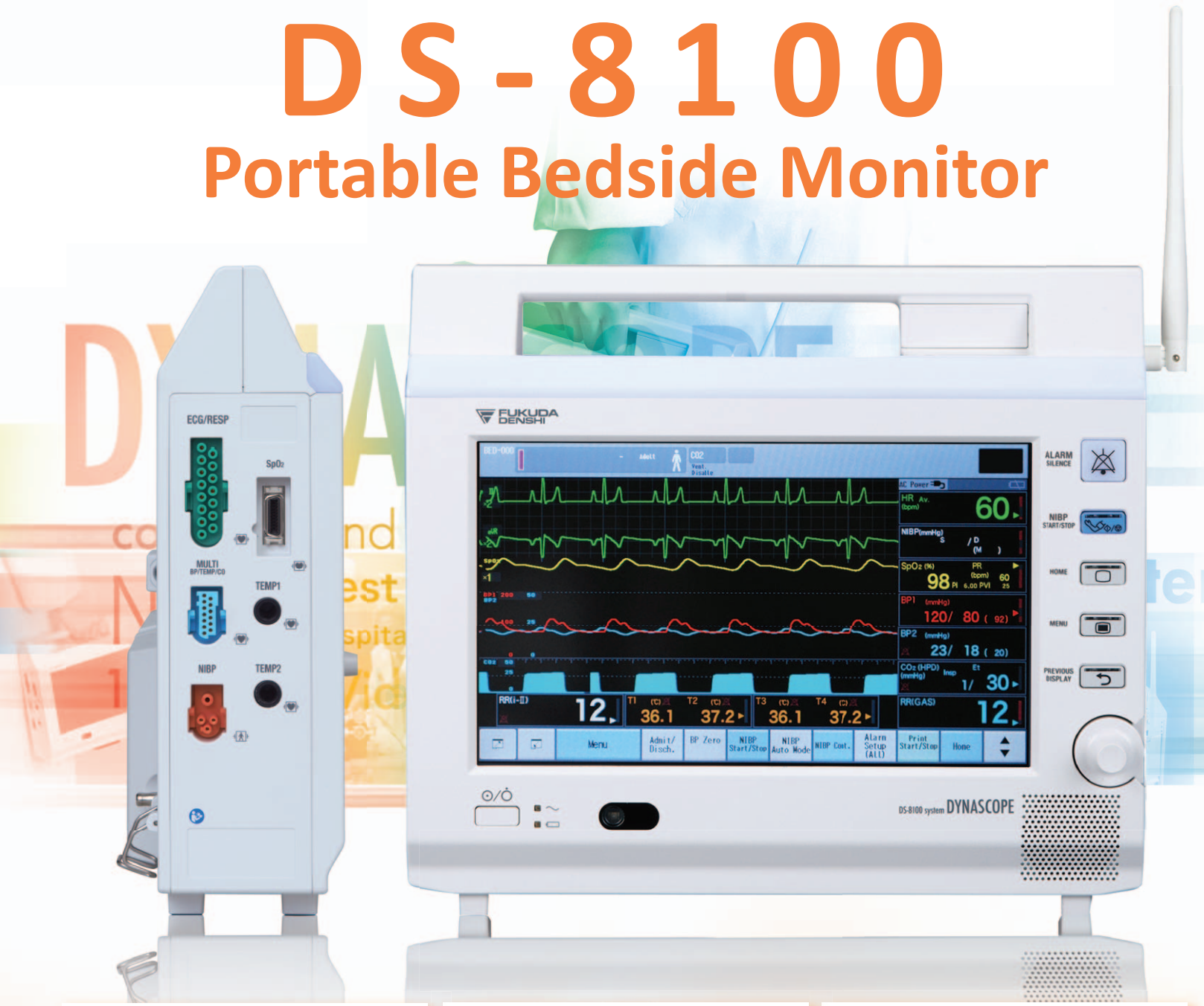
FUKUDA DENSHI

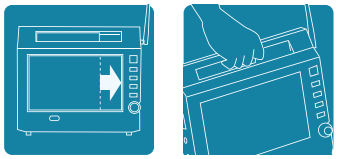
"The Pulse of Innovation"

DS-8100

Portable Bedside Monitor

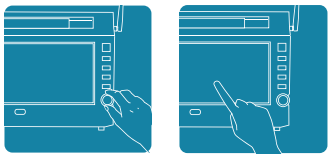


10.2 inch Wide Color Display



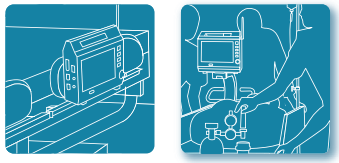
Wide Screen display for longer waveform tracing, lightweight and robust for easy transport with optional pole or bed mounting kit.

Better and Easier User Interface



Settings are quickly and easily activated either via the touch screen or the jog dial. Depending on the situation, the screen configuration, menus and windows are all used to provide simple and effective monitoring.

Customize for Every Clinical Application



When EtCO2 is needed:

Sidestream unit HCP-810
Mainstream unit HPD-810

When Printing is needed:

Printing unit HR-811

*DS-8100 is shown with optional HLX-801 Telemetry Transmitter Module

Specification

Dimensions (not including the protrusion)	300mm (W) x 265mm (H) x 75mm (D) 11.8" (W) x 10.4" (H) x 3.0" (D)		**Weight**	3.5 kg 7.7 lbs	
Display	10.2" wide color LCD		**Resolution**	1024 x 600, WSVGA	
Sweep Speed	Circulatory	6.25, 12.5, 25, 50 mm/s	**Waveforms**	Max. 14	
	Respiratory	6.25, 12.5, 25 mm/s	**Waveform Display**	Stationary Trace Mode	
Parameters*	Waveform	ECG, IBP (max 2ch), SpO2, RESP, CO2			
	Measurement	HR, ST, VPC, IBP (max 2ch), SpO2, SpCO (opt.), SpMet (opt.), PVI (opt.), RR, PR, APNEA, NIBP, TEMP (max 4ch), CO2, CO			
	Arrhythmia	ASYSTOLE, VF, VT, Slow VT, RUN, Tachy, Brady, Bigeminy, Frequent, Couplet, Trigeminy, PAUSE			
Operation	Touch Screen Method, Jog Dial with Push Key, 5 Fixed Keys (NIBP Start/Stop, Home, Menu, Previous Display and Alarm Silence)				
Environmental Condition	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 %		

ECG	Range	Adult/Child: 0, 12 to 300 bpm	**SpO2**	Method	2 Wavelength Pulse Wave
		Neonate: 0, 30 to 300 bpm		Range	1 to 100 %
	Accuracy	±3 bpm		Accuracy	±3% (Nellcor™)
	Size	1/4, 1/2, 1, 2 and 4			±2% (Masimo®)
	HR Display Response Time	Adult/Child: 6 sec		PR Range	20 to 250 bpm
		Neonate: 3 sec		PR Accuracy	±3 bpm
	Defibrillation Proof Provided		**Respiration**	Method	Impedance
Temperature	Measurement	Thermistor Method		Range	0, 4 to 150 bpm
	Range	0 to 45 °C		Accuracy	±3 bpm
	Accuracy	±0.2 °C	**Invasive Blood Pressure**	Range	-50 to 300 mmHg
	Number of Channels	Max. 4		Accuracy	±1 mmHg
NIBP (Non-Invasive Blood Pressure)	Method	Oscillometric		PR Range	Adult: 12 to 300 bpm
	Range	Adult: 10 to 280 mmHg			Neonate: 30 to 300 bpm
		Child: 10 to 180 mmHg		PR Accuracy	±1 bpm or ±3%
		Neonate: 10 to 130 mmHg		Number of Channels	Max. 2
	Static Pressure Accuracy	±3 mmHg	**CO**	Method	Thermodilution Method
	PR Range	40 to 240 bpm		Range	0.1 to 20L/min
	PR Accuracy	±5%		Accuracy	
	Safety Mechanism	Adult: 300 mmHg or above		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	**EtCO2 (optional)**	Mainstream (PHILIPS RESPIRONICS®)	
Printer (optional)	Number of Waveforms	Max. 3		Range	0 to 150 mmHg
	Printing Type	Thermal		Accuracy	0 to 40 mmHg: ±2 mmHg
	Printing Speed	50, 25 mm/s		Sidestream (Microstream™)	
	Waveform Printed	ECG, RESP, SpO2, IBP and CO2		Range	0 to 99 mmHg
Power	Requirements	AC 100 to 240 V, 50/60 Hz		Accuracy	0 to 38 mmHg: ±2 mmHg
	Consumption	60 VA max.	**Safety**	General Standard	EN60601-1: 1990 Amendment A1 to IEC60601-1: 1993 Amendment A2 to IEC60601-1: 1995 EN60601-1-1: 2001
	Battery Operation Time	3 hours		EMC Standard	EN60601-1-2: 2007
Useable Life	6 years according to self certification			Electrical Shock Protection	Class I
				Conformity	CE Marking per 93/42/EEC Directive
				RoHS Compliant	

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