

DYNASCOPE

DS-1700 System



Specification

Size	535 (W) mm x 390 (H) mm x 170 (D) mm ±10 mm 21.1 (W) inch x 15.4 (H) inch x 6.7 (D) inch ±0.4 inch (not including the protrusion)
Weight	9 kg ±3 kg 19.8 lb ±6.6 lb (not including the optional accessories)

Environmental Conditions

Operating Temperature	10°C to 40°C
Operating Humidity	30% to 85% (non-condensing)
Transport/Storage Temperature	-10°C to 60°C
Transport/Storage Humidity	10% to 95% (non-condensing)
Storage Atmospheric Pressure	80 kPa to 106 kPa

Safety

General Safety Standard	EN 60601-1: 2006 / A1: 2013 (Medical electrical equipment - Part 1: General requirements for basic safety and essential performance)
EMC Standard	EN 60601-1-2: 2015 (Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests)
Protection against electrical shock	Class I Equipment/Internally Powered Equipment
Operation Mode	Continuous Operating Equipment
Degree of protection against ingress of water	IPX0 (no protection)
Classification according to the degree of safety when using in the presence of air or flammable anesthetic gas or oxygen or nitrous oxide and flammable anesthetic gas	Not provided

Power Supply

Rated Voltage	100-240 V AC
Frequency	50/60 Hz
Power Consumption	100 VA and below

Battery for Operating the Equipment

Operation Time	60 minutes and more (at 23°C)
Charging Time	2.5 hours (during standby), 5 hours (during normal operation)

Arrhythmia Type

Parameters

Arrhythmia	Asystole (Cardiac Arrest) VF (Ventricular Fibrillation) VT (Ventricular Tachycardia) Slow VT Run (Consecutive VPC) Couplet (Couplet VPC) Pause Bigeminy (Ventricular Bigeminy) Trigeminy (Ventricular Trigeminy) Frequent (Frequent VPC) Tachy (Tachycardia) Brady (Bradycardia) Ext Tachy (Extreme Tachycardia) Ext Brady (Extreme Bradycardia)	R on T (R on T VPC) Multiform (Multiform VPC) Vent Rhythm (Ventricular Rhythm) SVT (Supraventricular Tachycardia) AFib (Atrial Fibrillation) Irregular RR (Irregular RR Interval) Prolonged RR (Prolonged RR Interval) Pacer Not Capture (Non-Capture) Pacer Not Pacing (Oversensing) Triplet (Triplet VPC) S Frequent (Frequent SVPC) S Couplet (Couplet SVPC) VPC (Ventricular Extrasystole) SVPC (Supraventricular Extrasystole)
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Performance

Display

Display Element	Color LCD with Touch Panel
Size	21.5 inch wide
Resolution	1920 dot x 1080 dot (Full HD)
Waveform Trace	Stationary Trace
Touch Panel	Capacitive Touch Panel
Displayed Parameter	ECG, RESP, TEMP, SpO ₂ /SpO ₂ -2 (Arterial Oxygen Saturation), Pulse Rate, BP1-8, NIBP, CO ₂ concentration, O ₂ concentration, N ₂ O concentration, AGENT, SvO ₂ (Mixed Venous Oxygen Saturation), CCO (Continuous Cardiac Output), CCI (Continuous Cardiac Index), BT (Blood Temperature), SpCO (Carboxyhemoglobin Concentration), SpMet (Methemoglobin Concentration), SpHb (Total Hemoglobin Concentration), MVe (Expiratory Minute Volume), TVe (Expiratory Tidal Volume), TVi (Inspiratory Tidal Volume), PEAK (Peak Airway Pressure), PEEP (Peak End Expiratory Pressure), MEAN (Mean Airway Pressure), ScvO ₂ (Central Venous Oxygen Saturation), rSO ₂ (Regional oxygen saturation), BIS
Displayed Waveform	ECG, RESP, BP, SpO ₂ /SpO ₂ -2 (Arterial Oxygen Saturation), CO ₂ concentration, O ₂ concentration, AGENT (anesthetic gas concentration), AWP (Airway Pressure), AWF (Airway Flow), AWW (Airway Volume)
Sweep Speed	ECG, SpO ₂ /SpO ₂ -2 (Arterial Oxygen Saturation), IBP: 12.5, 25 mm/sec. RESP, CO ₂ concentration, O ₂ concentration, AGENT (anesthetic gas concentration), AWP (Airway Pressure), AWF (Airway Flow), AWW (Airway Volume): 6.25, 12.5, 25 mm/sec.

Network

Network Configuration	DS-LAN III Network, Wireless System
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Telemetry Reception

Number of Receiving Beds	Maximum of 8 beds By connecting wired bedside monitors and telemetry receivers by DS-LAN III network, maximum of 32 beds can be monitored.
Transmitter	LX-8100, LX-8300, HLX-801, Bedside Monitor (with HLX-801 or equivalent)
Antenna Connector	F Type

Composition of the System

The following model types are available.

Model	Number of Telemetry Receiving Beds	Printer	Extended Display
DS-1700L	0	No	No
DS-1708	8	No	No
DS-1700LR	0	Yes	No
DS-1708R	8	Yes	No
DS-1700LE	0	No	Yes
DS-1708E	8	No	Yes
DS-1700LRE	0	Yes	Yes
DS-1708RE	8	Yes	Yes

Other equipment such as general-purpose display unit, mouse, keyboard can be also connected. Models sold vary by region. Please contact us or the distributors for details.

FUKUDA DENSHI reserves the right to change specifications without notice.

