



DFM 600 Defibrillator/Monitor

Dedicated Hospital Solutions

Standard Configuration

ECG, RESP, Thermal Recorder

Optional

12-Lead ECG, NIBP, TEMP, PR, EtCO₂, IBP, SPO₂

Safety Standards

ISO 13485:2016 approved, CE marking according to MDD93/42/EEC

0~45°C

IP4X

Max 2

impedance,

recording)

Physical Characteristics

Size: Weight: Screen Size: Resolution: Waveforms:

323 mm × 277 mm × 338 mm 7.2 kg 8.4" TFT Screen 800 × 600 4 waveforms

10%~95%, non-condensation

IP44 (without external power)

100-240 V~, 50/60 Hz±1 Hz

4500 mAh, d.c.14.8 V

equipment power off

Pacing rate: 80 bpm,

Manual from 1 to 10

Rechargeable Lithium-ion battery

less than 3 hours to 100% with

Monitoring Mode: 12 hours; Defib Mode: 420 times

(360J charge at intervals of 1 minute without recording);

Pacing Mode: 9 hours (50 Ω load

Pacing output: 60 mA, without

Operation Environment

Temperature: Humidity: Water Resistance: Solids Resistance: Power requirement: Battery type: Battery capacity: Battery number: Battery recharging Time: Less than 2 hours to 80% and

Battery backup: (Two new, fully charged battery)

Brightness:

Indicators

Two alarm indicators Power indicator Battery indicator Maintain indicator Error indicator QRS beep and alarm sound Operating key sound

Interface

USB interface RJ45 interface AC power input VGA interface Multi-functional connector



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Data storage

Alarm Event: Patient profiles: Wave Review: NIBP Review: Trend Graph: Trend Table: ECG report:

Voice recording:

Marked events: Power-off storage: Alarm:

Network:

Recorder

Type: Channel: Real-time recording: Speed: Record width: Resolution: Background grid: External printer:

Defibrillator

Operating mode:

Waveform:

Defibrillation pathway:

Electrode type:

External defibrillation electrode plate:

200 groups 1000 groups 48 hours 2000 groups 160 hours 160 hours 500 cases of 12-lead ECG diagnosis report (Up to 5 case reports per patient) Max 240 min in total; (Up to 60 min for each patient) Available Yes User-adjustable High and Low 3-level Limits; Prioritized audio and visual alarms Connected to Central Monitoring System by hardwire/wireless

Built-in; Thermal array 4 channel waveforms 3s, 16s, 32s, auto 12.5/25/50 mm/s 80 mm 8 dot/mm (Horizontal and vertical) Configurable Yes

Manual Mode, AED Mode, Synchronous defibrillation Biphasic truncated exponential waveform, with impedance compensation External defibrillation & Internal defibrillation External defibrillation electrode plate, multifunctional electrode pads and internal defibrillation electrode plate

Supports charging, discharging, energy selection and other operational functions; Charging completion indicator



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Charge Time: (Battery power)	Less than 5 seconds to 200 Joules with a new, fully charged battery Less than 8 seconds to 360 Joules with a new, fully charged battery
Energy accuracy:	±1.5J or ±10% of setting, whichever is higher, into $50\Omega \pm 2J$ or 15% of setting, whichever is higher, into 25 Ω , 75 Ω , 100 Ω , 125 Ω , 150 Ω , 175 Ω ,
Patient Impedance Range:	25~300 Ω (External defibrillation); 15~250 Ω (Internal defibrillation)
Defibrillation proof:	Type CF: ECG, RESP, SpO₂, NIBP, IBP, TEMP, PR; Type BF: CO₂

Manual Mode

External defibrillation: 1J~360J Internal defibrillation: 1J~50J Synchronous Cardioversion: Energy transfer begins within

60ms of the QRS peak; Energy transfer begins within 25ms of the External Sync signal

AED

Output Energy: AED Shock Series: User configurable Configurable

Ambulance Fixing Bracket (Optional)



DFM 600 Ambulance Fixing Bracket (It is used together with DFM 600 Packet)



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Noninvasive Pacing

Waveform: Pulse Width: Accuracy: Pacing Mode: Pacing rate: Accuracy:

Pacing output: Accuracy: 4:1 pacing:

Monitoring ECG

Lead Type:

Lead selection:

Multi-lead

Accuracy: Sweep speed: Accuracy: Measurement& alarm range:

Resolution: Accuracy: Bandwidth:

CMRR:

Input Impedance: ≥5 MΩ Input signal range: ±8 mV HR trigger value: 200 µV Lead off detection current: Measuring electrode: <0.1 µA Pacemaker pulse suppression switch: Analog output: Accuracy: ±5%

ST Detection:

Monophasic square wave pulse 20 ms +5% Demand or fixed 40 bpm to 170 bpm ±1 bpm or ±1.5% (whichever is higher) 0 mA to 200 mA ±5% or ±5 mA, whichever is higher Pacing pulse frequency reduced by factor of 4 when activated

3 lead ECG, 5 lead ECG, 12 leads ECG, AUTO 12-Lead I; II; III; aVR; aVL;aVF; V1~V6 5-lead: I; II; III; aVR; aVL; aVF; V 3-lead: I; II; III

synchronization analysis: Available ECG size: Auto, 1.25 mm/mV (×0.125), 2.5 mm/mV (×0.25), 5 mm/mV (×0.5), 10 mm/mV (×1), 20 mm/mV (×2), 40 mm/mV (×4), Less than ±5% 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s Less than ±10% Heart Rate

> Adult: 15~300bpm Pediatric/Neonate: 15~350 bpm 1 bpm ±1% or ±1bpm (whichever is higher) MON: 0.5~40 Hz DIA: 0.05~150 Hz Treat: 1~20 Hz ST: 0.05~40 Hz MON: >105 dB DIA: >90 dB Treat: >105 dB ST: >105 dB

Driving electrode: <1 µA

Manual selection when the pacemaker is turned on Magnification: 1:1000; Bandwidth: 0.5 Hz~40 Hz Delay: ≤35 ms -2.0 mV~+2.0 mV



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Resolution: Accuracy:

System noise: Calibration voltage: Accuracy: Arrhythmia Analysis: Pacemaker detection:

Defibrillation ECG

Lead Type: Heart Rate measurement& alarm range:

Resolution: Accuracy: Bandwidth: CMRR. Input Impedance: Input signal range: HR trigger value Arrhythmia Analysis:

Respiration

Method: RR measurement range:

Accuracy:

Apnea Alarm: Accuracy: Alarm:

NIBP

Method Work mode: Measurement Time: Maximum measurement time: Measurement Unit: Measurement types: Range of systolic pressure:

Range of diastolic pressure: Adult Mode:10~215

Range of mean pressure:

Over pressure protection:

Accuracy: Resolution: Alarm: NIBP:

0.01 mV -0.8 mV ~ +0.8 mV: ±0.02 mV or ±10%; Others: Unspecified Less than $25 \,\mu V$ 1 mV; ±5% 26 Types Detectable

Single lead ECG

Adult: 15~300 bpm Pediatric/Neonate:15~350 bpm 1 bpm ±1% or ±1 bpm (whichever is higher) Defib: 1~20 Hz Defib: >105 dB >5 MQ ±8 mV 200 µV 5 Types

RA-LL Impedance Method Adult: 0~120 bpm Pediatric/Neonate: 0 ~150 bpm 7~150 rpm: ±2 rpm or ±2% (whichever is greater) 0~6 rpm: unspecified Adult: 10s~60s Ped/Neo: 10s~20s ±5s Audible and visual alarm; alarm events reviewable

Automatic oscillometric Manual / Automatic/Continuous Adjustable (1~720min)

Adu/Ped: 120s; Neo: 85s mmHg / kPa selectable Systolic, Diastolic, Mean Adult Mode:40~270 mmHg Pediatric Mode:40~200mmHg Neonate Mode 40~135 mmHg mmHg Pediatric Mode:10~150 mmHg Neonate Mode 10~100 mmHg Adult Mode:20~235 mmHq Pediatric Mode:20~165 mmHg Neonate Mode 20~110 mmHg Both Hardware and software over pressure protection $\pm 3\%$ or ± 3 bpm, whichever is greater 1 bpm Systolic, Diastolic, Mean PR form 40 bpm~240 bpm

Nellcor SpO₂

Measurement range:	0~100%
Resolution:	1%
Accuracy:	±2% (70~100%, Adu/Ped,
	motionless)
	±3% (70~100%, Neo, motionless)
	1~69% unspecified
Alarm range:	20~100%
PR Measurement Range:	20~300 bpm
Resolution:	1 bpm
Accuracy:	±3 bpm (20~250 bpm)
	Unspecified (251~300 bpm)
Alarm range:	20~350 bpm

Masimo SpO₂

Measurement&alarm range: 1~100% Resolution: 1% ±2% (70~100%, Ped/Adu, Accuracy: non-motion) ±3% (70~100%, Neo, motionless); 1~69% unspecified Alarm range 1~100% PR Measurement Range: 25~240 bpm Resolution: 1 bpm ±3%(non-motion) ±5% (in motion); Accuracy: Alarm range: 20~350 bpm PI value: Resolution: 0.02~20% 0.01% (0.02%~9.99%) 0.1% (10.0%~20.0%) Accuracy: Unspecified SIQ: Available

Okuman SpO₂

	0 100%	
Measurement&alarm range: 0~100%		
Resolution:	1%	
Accuracy:	±2% (70~100%, Ped/Adu,	
	non-motion)	
	±3% (70~100%, Neo, non-motion);	
	0~69% unspecified	
PR Measurement Range:	20~254 bpm	
Resolution:	1 bpm	
Accuracy:	±2 bpm	
Alarm range:	20~350 bpm	
PI value:	0.05~20%	
Resolution:	0.01% (0.05%~9.99%)	
	0.1% (10.0%~20.0%)	
Accuracy:	Unspecified	
SIQ:	Available	

Temperature (Dual Channel)

Measurement & alarm range: 0~50°C TEMP sensor: Standard configuration- skin TEMP sensor Resolution: 0.1°C ±0.1°C (except sensor error) Accuracy: T1, T2, TD (Temperature Difference) Channel type:

MASIMO EtCO₂ (Sidestream)

Measurement range:

Accuracy: Resolution: awRR range: awRR accuracy: Response time: Delay time: 0~190 mmHg, 0~25% (at 760 mmHg) ± (2.25 mmHg +4% of reading) 1 mmHg 0~150 rpm ±1 rpm <240 msec (10% to 90%) <2s

Respironics EtCO₂ (Sidestream)

Measurement range:

Accuracy:

Resolution:

awRR range: awRR accuracy:

Response time: Delay time: 0~150 mmHg, Oto 25% (at 760 mmHg) ± 2 mmHg (0 - 40 mmHg) ± 5% of reading (41 - 70 mmHg) ± 8% of reading (71 -100 mmHg) ±10% of reading (101~150 mmHg) 1 mmHg 0~150 rpm ±1 rpm <240 msec (10% to 90%) <2s

IBP

Channel: Measured Pressure:

Measurement Unit: Measurement range:

Accuracy:

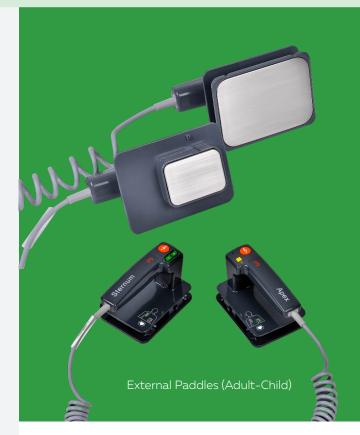
Resolution:

Alarm Range: PR from IBP: Resolution: Accuracy:

PPV/SPV measurement: PAWP measurement:

Available

2 Channels ART, PA, CVP, RAP, LAP, ICP, LV, AO, UAP, BAP, FAP, UVP, IAP, P1, P2, P3, P4 mmHg/ kPa/ cmH2O selectable ART: 0~300mmHg PA: -6~120 mmHg CVP: -10~40 mmHg RAP: -10~40 mmHg LAP: -10~40 mmHg ICP: -10~40 mmHg LV: 0~300 mmHg AO: 0~300 mmHg UAP: 0~300 mmHg BAP: 0~300 mmHg FAP: 0~300 mmHg UVP: -10~ 40 mmHg IAP: -10~40 mmHg P1, P2: -50~300 mmHg ±2% or ±1 mmHg (whichever is greater) 0.1 kPa or 1 mmHg (-50 mmHg~+300 mmHg) -50 mmHg~+300 mmHg 20 bpm~350 bpm 1 bpm ±1% or ±1 bpm, whichever is higher Available





Smart Battery



Back View of DFM 600



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