

Specifications

Defibrillator	
Output energy levels (with 50 ohms load)	2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360 joules (with external paddles)
Charge times	Within 10 seconds to 360 joules on AC operation Within 12 seconds to 360 joules on DC operation
Discharge modes	Synchronous and asynchronous
Discharge	Single-phase pulse (with 50Ω load)
Peak voltage	5kV max. (with 100Ω load)
Number of discharge	30 times min. (battery operation)
ECG	
Leads	I, II, III (ECG lead), paddle lead, telemetry lead
Time constant	0.3 seconds
Sensitivities	1/4, 1/2, 1, 2, 4cm/mV manual or automatic selection
Monitor	
Display	5.5inch LCD
Display mode	Non-fade, stationary Cascaded ECG or 2-channel (ECG and Respiration with LX-5120)
Sweep speed	25mm/sec. (ECG), 8mm/sec. or 25mm/sec. (Respiration)
Display time	Approx. 8.8 seconds
Alarm setting limits	15 to 300 bpm (HR)
Alarm indication	Audible and visual
Recorder	
Recording method	Thermal dot array method
Paper speed	25mm/sec.
Recording paper	50mm x 30m
Print items	Year/month/day, hour:minute, ECG lead, set energy level, output energy level, sensitivity, heart rate, synchronous point, discharge point
Recording modes	Manual(approximately 8.8 seconds delayed waveform), automatic and freeze waveform recording
Telemetry (FC-1760 only)	
Transmitter	Optional LX-5120
Receiver system	Double superheterodyne with crystal controlled synthesizer
Antenna	Built in (whip antenna)
Receivable parameters	ECG, Respiration
General	
Protection against electrical shock	Class I, Type CF (with ECG lead), Type BF (with external paddles)
Battery charge time	Approx. 150 minutes
Battery operation time	1 hour when operated for monitoring purpose only
Power requirements	115V AC ±10% or 230V AC ±10%, 50/60Hz; 170VA max., or 12V DC rechargeable battery
Dimensions	33.0(W) x 43.0(D) x 12.0(H) cm
Weight	Approx. 8.2kg (incl. external paddles TE-300A)

Standard Accessories

Power Cable	CS-28 (230V) or CS-24 (115V, hospital grade)
External Paddle	TE-300A
ECG Relay Cable	CI-162 (3-electrode, 1kΩ)
ECG Lead Cable	#3380.0654.04 (3-electrode, IEC)
Electrode Gel	Signa Gel 250g tube
Recording Paper	OP-18TE 50mm wide 30m long
Power Fuse	215 005 5A Time Lag Fuse
Accessory Container	
Operation Manual	

Optional Accessories

Recorder Connector	OA-303
Trolley	OT-107
Transmitter	LX-5120 (ECG Receiver)



▲ Trolley OT-107

FC-1700/1760

Defibrillator/Monitor



FUKUDA DENSHI reserves the right to change specifications without notice.



FUKUDA DENSHI CO., LTD.
39-4, Hongo 3-chome, Bunkyo-ku, Tokyo 113-8483, Japan
Tel: +81-3-5684-1455 Fax: +81-3-3814-1222
www.fukuda.com

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EMERGENCY

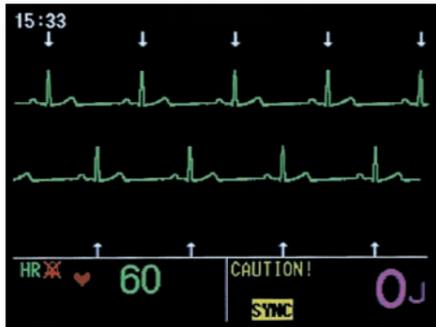
Suitable for use in the ICU, CCU, OR, and ER

Ensure effective, immediate treatment in emergencies!

The FC-1700/1760 monitor/defibrillator comes with a color liquid-crystal display and provides for synchronized discharge. The staff can monitor ECG through hardwire connection, or ECG and Respiration from telemetry.

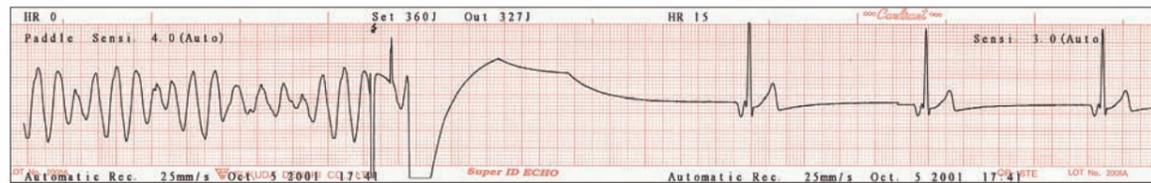
Color LCD for clear information

The FC-1700/1760 displays two traces of waveform information plus numeric data on the 5.5 inch color LCD. The waveforms may be a cascade ECG, or an ECG and respiration waveform.



ECG Recording

A 2-channel recorder is built-in for recording the ECG automatically upon discharge, alarm, or at any time in a manual mode.



Discharge History Recording

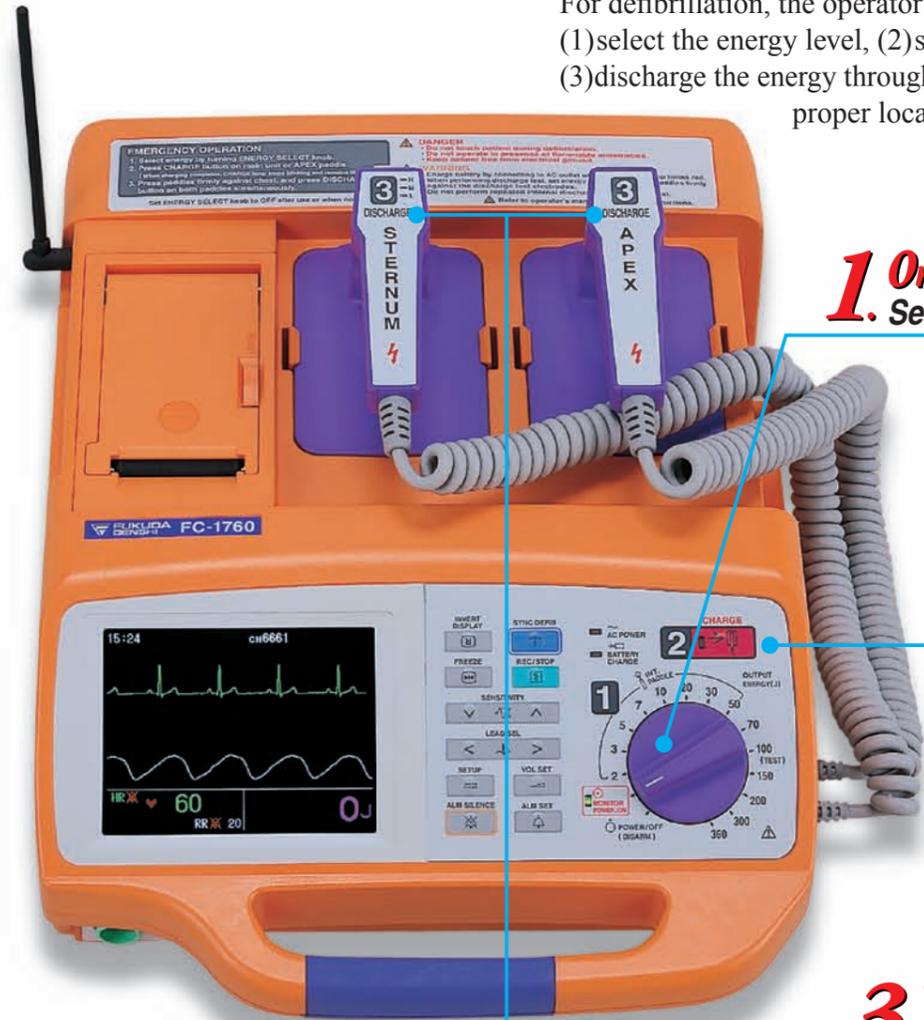
A separate function allows the last 16 discharge records to be printed.

Items: Date, Time, Output Energy Level, Discharge Mode, Defibrillation Mode, and Paddle Type.

Date	Time	Settings	Test Mode	SYNC Mode	Paddle	Date	Time	Settings	Test Mode	SYNC Mode	Paddle
Jun 2 2000	10:51:28	360J	Test	---	External	Jun 5 2001	14:00:13	300J	---	---	External
Jun 2 2000	10:59:13	3J	Test	---	External	Jun 2001	14:00:27	350J	---	---	External
Jun 2 2001	13:58:44	200J	---	---	External	Jun 2001	14:00:43	50J	---	SYNC	External
Jun 2 2001	13:59:01	150J	---	---	External	Jun 2001	14:00:58	10J	---	---	External
Jun 2 2001	13:59:23	100J	---	---	External	Jun 2001	14:01:03	10J	---	---	External
Jun 2 2001	13:59:37	100J	---	---	External	Jun 2001	14:01:17	100J	---	---	External
Jun 2 2001	14:00:00	100J	---	---	External	Jun 2001	14:01:22	100J	---	---	External
Jun 2 2001	14:00:00	200J	---	---	External	Jun 2001	14:01:30	100J	---	---	External

Easy, 3-step Operation

For defibrillation, the operator requires only 3 steps: (1)select the energy level, (2)start charging, and (3)discharge the energy through the paddles at the proper locations.



1. One!
Select energy level

2. Two!
Energy charge

3. Three!
Discharge

The optional LX-5120 telemetry transmitter communicates ECG and Respiration (FC-1760 only)



Voice guidance (male or female, selectable)

Voice guidance is provided to inform the user of the operating procedure and instrument status, such as battery condition. The operator can confirm the start of charge and other conditions through voice guidance as well as messages on the display.

Battery Operation



The internal battery allows for 30 charge and discharge cycles when fully charged. The battery also enables use of the device as a simplified monitor for up to one hour.

Synchronous or Asynchronous Selectable

Synch or Asynchronous Selection enables effective defibrillation for serious arrhythmia treatment.

Paddle Indicator



The paddles have an indicator to show contact status between the paddle surfaces and the patient's skin to ensure reliable defibrillation.

Pediatric Electrodes

Pediatric electrodes are located under the adult electrodes.

Display reverse function



When the monitor/defibrillator is standing upright, the screen image is automatically reversed for easy viewing. When placed horizontally, the image returns to the normal direction. Also, when in the vertical position, a press of a button reverses the screen image to the positive direction.