

# ***iPAD*** **NFK200** **Defibrillator**

This is a new model of the iPAD series public access AED. The **NFK200** is a simple to use, intuitive defibrillator allowing for quick and convenient pads access.



**AFFORDABLE  
EFFECTIVE**

## **KEY FEATURES**

- Easy access to pads from front panel
- Device and consumables status LED indicator
- CPR metronome, voice guidance, and graphic

## **INSTRUCTIONS**

- Data transfer by USB

## **SAFETY**

- Automatic internal discharge
- Daily / weekly / monthly self test
- Adult / paediatric mode change button

## **TECHNOLOGY**

- Semi automated e cube biphasic defibrillation
- Combined adult / paediatric pads
- CPR step detection indicator for more effective CPR



**To order contact:**  
**Turtle Medical**  
**sales@turtlemmedical.co.uk**  
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# NFK200 Defibrillator

## **iPAD** NFK200

### The Important **Key Features**

Device and  
consumables  
status LED  
indicator

Adult/  
Paediatric  
switch  
mode  
change  
button

Combined  
adult /  
paediatric  
pads

CPR metronome  
& voice guidance

Easy access to pads  
from front panel

Graphic  
Instructions

Data transfer  
by USB

## An **affordable** compact system

### Features Include:

- Rapid adult / paediatric change button
- Rugged casing for use in all conditions, and handle for easy carry
- Supports CPR and resuscitation of various patients in diverse locations

The **NFK200** is a simple, compact, highly effective addition to the iPAD series. It can easily and effectively be used by anyone.

SUITABLE  
FOR  
THE  
WORKPLACE



EASY  
TO USE

This will be a popular option for those seeking an affordable and effective defibrillator.

Easy access to pads  
from front panel

Contact us now if you need more  
information or if you would  
like to place an order:

## Physical

Dimensions	260mm x 220mm x 70mm (Width x Length x Height)
Weight	2.2kg (Including the battery pack and pads)

## Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5 % to 95 % (non-condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5 % to 95 % (non-condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5 % to 95 % (non-condensing)
Altitude	0 to 4,572 m (0 to 15,000 ft.)
Drop	Withstands 0.7 meter drop to any edge, corner or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1, Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing	IEC 60529:2013 IP42
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2 limits, method EN 55011: 2016+A1:2017, Group 1, Class B
EMI (Immunity)	Meets IEC 60601-1-2 limits, method EN 61000-4-3:2006+A2:2010 Level 3 (10V/m 80MHz to 2.5GHz)

## Defibrillator

Operating Mode	Semi-automated
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Within 3 seconds from when the voice instruction, "An electric shock is needed" is issued.
Time from initiation of rhythm analysis	10 seconds with a new battery (even after the delivery of 15 discharges at 150J) 12 seconds with a new battery (even after the delivery of 15 discharges at 200J)
Time from Power on to readiness for discharge	25 seconds with a new-fully charged battery (even after the delivery of 15 discharges at maximum energy)
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm The SHOCK button is not pressed within 15 seconds

## ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

## ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Satisfies AAMI DF80

## Controls, Indicators, and Prompts

Controls	Power Button Shock Button Adult/Pediatric Selection Button
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Status LED Indicator CPR Step and Detection Indicator Shock Button
Speaker	Provides voice prompts
Sound Level	75dB, 1m above speaker
Beeper	Provides various audible indications
Low Battery Indicator	Shown on the Status LED, announced via voice instruction

## Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

## Battery Pack Long Life

Battery Type	12VDC, 4.2Ah Li/MnO2, Disposable
Capacity	150 Joules - At least 200 Shocks for a new battery or 8 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

## Adult / Paediatric Defibrillation Pads

Surface Area	85cm <sup>2</sup>
Cable Length	120cm
Shelf Life	At least 36 months from the date of manufacture

## Data Storage and Transfer

USB	External memory. Data may be copied from the internal memory to the USB.
File System	FAT32
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment

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