Nihon Kohden · Reanimatie en AED’s

cardiolife TEC-1000

TEC-1021 / TEC-1031

Compact monitor-defibrillator for the hospital, with a 10.4-inch touchscreen: TEC-1021 without pacer and TEC-1031 with pacer. Optional SpO2, CO2, NIBP, esCCO and synECi18.

Energy	Screen	Battery
2 to 270 J	**10.4-inch colour…**	**300 minutes of…**

Description

Compact monitor-defibrillator for the hospital
The cardiolife TEC-1000 series from Nihon Kohden is a monitor-defibrillator developed specifically for hospitals: emergency departments, intensive care, rapid response teams and cardiac care areas. The series has two versions: the TEC-1021 without pacer and the TEC-1031 with pacer (transcutaneous pacing, for temporary bradycardia).
The device has a large anti-glare 10.4-inch colour touchscreen, so you reach the main functions directly. You also operate it with a rotary knob. Defibrillation takes three steps.
Defibrillation
Energy: selectable from 2 to 270 J.
Fast charging: to 150 J in under 3 seconds with a full battery.
ECG recovery: within 3 seconds after the defibrillation.
Application: asynchronous defibrillation, and synchronised cardioversion for atrial flutter, among other things.
AED mode
In AED mode the device charges energy in advance while the rhythm is being assessed, so hands are off the patient for less time. The VF/VT analysis runs continuously in the background, also during chest compressions. According to the manufacturer, Clear Wave Pads give a more stable ECG signal during CPR.

Specifications

Versions	TEC-1021 without pacer and TEC-1031 with pacer (transcutaneous pacing, TEC-1031 only).
Use	Hospitals: emergency departments, intensive care, rapid response teams and cardiac care areas.
Application	Asynchronous defibrillation and synchronised cardioversion (for atrial flutter, among other things); ECG measurement.
Screen	Anti-glare 10.4-inch colour LCD with touchscreen.
Dimensions	333 × 289 × 225 mm (w × h × d).

Weight	6.4 kg, including battery and external paddles.
Energy	2 to 270 J.
Charging	Under 3 seconds to 150 J with a full battery.
ECG recovery	Within 3 seconds after the defibrillation.
Operation	Rotary knob and touchscreen. Defibrillation in three steps.
AED mode	Continuous VF/VT analysis in the background, also during compressions. The device charges energy in advance while the rhythm is being assessed.
Children	For a child aged 6 or younger, use AED mode in child mode. Do not use it for an adult: the energy may then be too low.
Battery	300 minutes of continuous monitoring, 150 shocks of 270 J, or 180 minutes of pacing in fixed mode (180 per minute, 200 mA). The manufacturer advises replacing the battery every 2 years.
Measurement (option)	SpO2 and CO2 with a multi-parameter unit (QI-102V) or SpO2, CO2 and NIBP (QI-103V). CO2: cap-ONE sensor; NIBP: iNIBP. Audible ETCO2 tone with five sounds.
Haemodynamics (option)	esCCO: estimated continuous cardiac output from ECG, SpO2, NIBP and patient data (age, gender, height, weight); trend of cardiac output, stroke volume and haemodynamic stability. Licence required.
18-lead ECG	synECi18: six extra synthesised leads (V3R to V5R and V7 to V9) without extra electrodes. Licence required.
CPR feedback	Can be connected to CPR feedback devices from Nihon Kohden, such as the CPR assist (CPR-1100). A wireless LAN module is required for this.
Data	SD memory card (1 or 2 GB), report software, HL7/FTP communication (licence), time synchronisation via NTP, connection to a wireless access point.
Self-test	Daily and monthly self-test of, among other things, the battery, the expiry of the pads and the circuitry. A status indicator shows whether the device is ready. Scanning the pads records the expiry date.
Consumables	Disposable pads for adults and children (H329), battery pack (SB-950P-DB).
Accessories and licences	Wireless LAN module (QI-101V), SD card 1 GB (QM-001D) or 2 GB (QM-002D), report software (QP-551VK), licences for HL7/FTP (QL-103V) and maintenance communication (QL-104V), internal paddles (ND-86xV and ND-89xV series), cart (E/CART), bed rail hook (DZ-101V), hygienic flat top cover, CPR assist (CPR-1100).
Safety	Only for medical personnel trained in resuscitation. Do not use in an MR examination room, with flammable anaesthetic gas or a high oxygen concentration, or in a hyperbaric oxygen chamber.

Other specifications	On request. Ask us for the full technical data of this model.
Source	Brochure for the cardiolife TEC-1000 series (E/BR-TEC1000-EN02) and Safety and Performance Information TEC-1021/TEC-1031 (1st edition, 20 June 2025), both from Nihon Kohden. They do not mention waveform, printer, operating or storage temperature, or measuring ranges for SpO2 and NIBP. The brochure gives the same code (QL-101V) for the synECi18 and esCCO licences, so it is not shown on this page.

Request cardiolife TEC-1000

Price always on request. We send a quote tailored to you, for one system or several.

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