Defibrillation with AED

High performance to satisfy your needs

In 1966, Nihon Kohden manufactured Japan’s first direct current defibrillator. From our long experience in this field, we provide reliable solutions for all defibrillator needs.

ActiBiphasic

TEC-550K series provides low energy biphasic waveform defibrillation. Biphasic waveform defibrillation requires lower energy than conventional monophasic defibrillation and causes less damage to myocardium. Biphasic technology demonstrates superior results to save the patient from sudden cardiac arrest. Nihon Kohden’s unique ActiBiphasic technology provides an improvement over most conventional biphasic circuits by employing an original T-circuit. In conventional biphasic circuits, when impedance is high, the pulse width becomes wider which reduces the efficiency of defibrillation. Nihon Kohden’s T-circuit actively controls the shape of the second phase waveform to maintain constant pulse width.

AED with voice prompt

AED (Automated External Defibrillation) is available with disposable pad adaptor cable (option) and disposable pads. When shockable rhythm is detected, TEC-550K automatically starts charging for hands-free defibrillation. CPR timing sound is also provided. Voice prompt is available as standard provision for less frequent users.

SpO₂/CO₂ monitoring (option)

You can easily add measuring parameters of SpO₂ and CO₂ with an optional unit. 2 waveforms can be displayed simultaneously on a crisp TFT color LCD screen.

TEC-5531K (shown with options)

Compact & High performance

Biphasic, AED & SpO₂/CO₂ monitoring

Defibrillator

TEC-5521K

TEC-5531K

Major options

For full list of options and consumables, see the Technical Data separately available

Battery charger, SB-551V

Defibrillator analyzer, AX-103VK

SpO₂ adapter, Y090

DSI interface unit, QI-552V, for SpO₂ and CO₂ (photo)

Disposable SpO₂ probe, BLFPRO, YG-1P2T

Defibrillation report viewer software, QP-551VK

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CO₂ sensor kit, YG-111T

DSI/AUX out interface unit, QI-553V, for SpO₂ or CO₂ and AUX

Disposable SpO₂ probe BLFPRO, YG-1P2T

CO₂ sensor, YG-1P1T

Disposable naso-oral adapter, for non-intubated

Rechargeable battery, 8MB-301V

Pediatric electrode assy, HD-512V, 44 mm dia.

SD card, QM-064D

Gel holder kit, YZ-0259H0

CO₂ sensor kit, YG-337T

Reusable SpO₂ probe BLFPRO, YG-1P3T

Battery charger, SB-551V

Gel holder kit, YZ-0259H0

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Fast and Reliable Defibrillation with ActiBiphasic technology

No waiting time for defibrillation
- Fast charging: 3 seconds for 200J, 5 seconds for 270J charging in AC operation or fully charged new battery.
- Quick recovery: 3 seconds ECG recovery shows the defibrillation result quickly.

Powerful battery operation
- High capacity: A fully charged new battery provides at least 70 discharges at 270J or 150 minutes continuous monitoring.* (See Technical Data for specific conditions)
- Short charging time: Approx. 2 hours (maximum 3 hours) to fully charge with AC cord connected and power off.

Airway management with CO₂ mainstream method on capONE (option)
- cap-ONE, the world’s first mainstream CO₂ sensor, can measure CO₂ of non-intubated patients. It can also measure intubated patients just by changing the airway adapter. No complicated setting or warm-up time is required so you can obtain CO₂ quickly and accurately. A CO₂ sensor kit, TG-901T3, is also available for intubated patients.

User-oriented unique designs
- Inclined design:
  - The paddle holder is slightly inclined for easier placing and removing of the paddles.
  - Screen and operation panels are also inclined for easier viewing from a standing position.

Voice recorder
- Voice and ECG waveform at the defibrillation can be saved in the optional SD memory card. You can replay on PC or TEC-5500K series defibrillator.
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Noninvasive pacing (TEC-5531K)
- External pacing capabilities are built-in. Pacing is very effective for recovery from bradycardia after defibrillation.

Built-in recorder
- 2-channel built-in thermal array recorder records various defibrillation information.

Review and reporting
- Saved data can be transferred to a PC using an optional SD memory card, and reviewed on the PC with optional Defibrillation Report Viewer software, QP-785VK551VK. Recorded voice can be replayed on the PC with QP-551VK.
- Easy routine checking: You can easily check the instrument at any time.
- Reliable battery operation:
  - An optional NiMH (nickel metal hydride) rechargeable battery provides reliable battery operation. A new real load testing method indicates the actual remaining charge so you can know approximately how many defibrillations are available. Battery performance test is done by simulating actual charging and discharging to accurately test the quality of the rechargeable battery.

Compact and lightweight
- Easy to carry in an emergency

Easy paddle change
- You can change paddles easily with one connector.

Convenient paddle rest
- Convenient paddle rests for temporary storage of prepped external paddles.

Practical external paddles
- The paddles include child electrodes underneath the adult electrodes.
- Electrode-skin contact quality is indicated by easy to see color-coded indicators.

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