

cardiolife

Defibrillators TEC-8300K series

It's all seamless



Fighting Disease with Electronics

 NIHON KOHDEN

The one you need in an emergency



ECG, SpO₂, NIBP*, MULTI connectors, Pacing**

* NIBP available with TEC-8342K/8352K

** Pacing available with TEC-8332K/8352K



Pre-hospital

Out-of-hospital 12-lead ECG acquisition and data transmission

In the resuscitation guidelines, the performance of out-of-hospital 12-lead ECGs with transmission or interpretation is regarded as an important key component of STEMI (ST-segment myocardial infarction) care system.

TEC-8300K series provides the solutions that enable simple and easy 12-lead ECG acquisition and data transmission to remote facilities. These solutions contribute to faster activation of cath lab and faster access to primary PCI, which helps door-to-balloon time reduction.

For intensive treatment and advanced life support



ICU

Intensive care for post-cardiac arrest

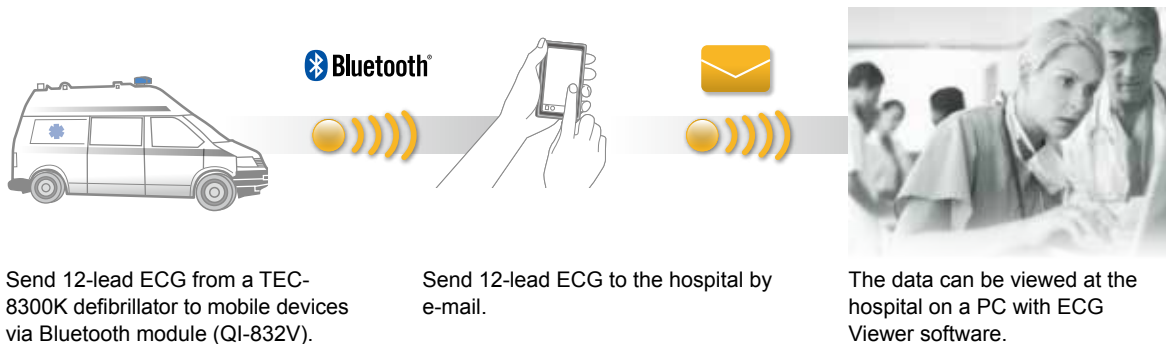
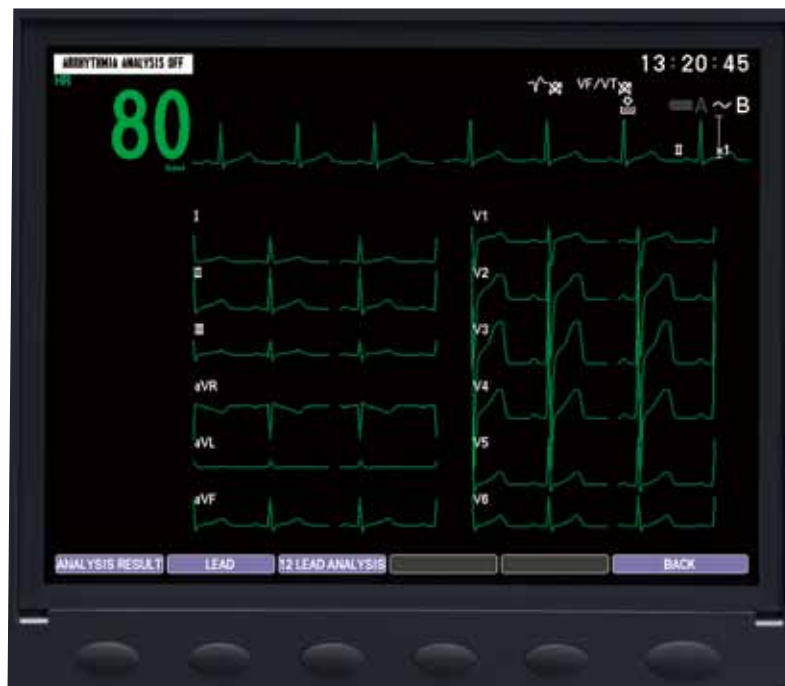
As one of the key post-cardiac arrest care, intensive patient monitoring is necessary.

TEC-8300K series with MULTI connector provides simultaneous ECG, SpO₂, CO₂, IBP, NIBP, Temperature measurements. These features and functions immediately alert you if patient status is changed and help you faster and more accurate decision making.

Newly-added NIHON KOHDEN's original "ec1" arrhythmia analysis algorithm (option) on TEC-8300K also help accurate patient monitoring. In addition to that, TEC-8300K provides intuitive and user-friendly AED function and external pacing for sudden patient status change.



12-lead transmission system



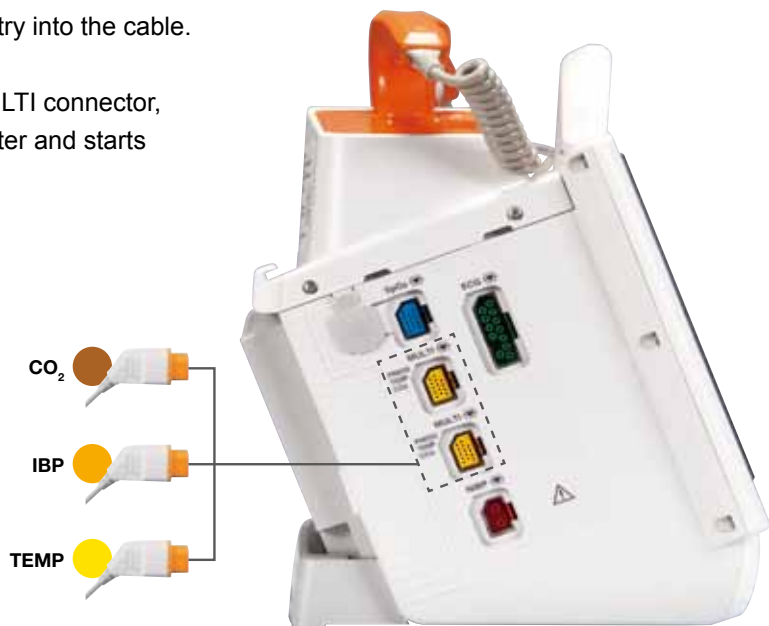
A Bluetooth module is needed to transfer the ECG data to mobile devices. According to each country law, Bluetooth can be requested the registration.

The Bluetooth word mark and logo are registered trademarks owned by the Bluetooth SIG, Inc.

Smart Cable™ system

Smart Cable™ technology miniaturizes circuits found in traditional modules and embeds that circuitry into the cable.

When you plug a Smart Cable™ into a MULTI connector, it automatically detects the type of parameter and starts measuring.



Easy airway management with cap-ONE®

cap-ONE®, the world's first mainstream CO₂ sensor, can measure ET-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.

cap-ONE®





Reliable biphasic technology

TEC-8300K series provides low energy biphasic waveform defibrillation.

Biphasic waveform defibrillation requires lower energy than the conventional monophasic defibrillation and causes less damage to

the myocardium. Biphasic technology demonstrates superior results to save the patient from sudden cardiac arrest and 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.

ActiBiphasic®

Nihon Kohden's advanced technology



Highly accurate ec1 arrhythmia analysis

Nihon Kohden's ec1 arrhythmia analysis algorithm improves accuracy of arrhythmia analysis and reduce false alarms by 80%.

Some functions are limited on TEC-8300 series. Contact your Nihon Kohden representative for details.

Display examples



● Built-in recorder

A thermal array recorder records various defibrillation information.



● Self-test indicator

TEC-8300K series have a self check function with daily and monthly test.



● Connector

Paddles (external paddles, internal paddles and disposable pads) can be easily changed with one connector.



Main units

TEC-8321K: ECG, AED, 12-lead ECG, SpO₂, MULTI connector* (1)

TEC-8322K: ECG, AED, 12-lead ECG, SpO₂, temperature, MULTI connector* (2)

TEC-8332K: ECG, AED, 12-lead ECG, SpO₂, temperature, MULTI connector* (2), pacing

TEC-8342K: ECG, AED, 12-lead ECG, SpO₂, temperature, MULTI connector* (2), NIBP

TEC-8352K: ECG, AED, 12-lead ECG, SpO₂, temperature, MULTI connector* (2), NIBP, pacing

* MULTI connector for CO₂, IBP and temperature

Major options

- | | |
|--|--|
| - Battery, SB-831V | - SD card, Y154D |
| - AC/DC module, SC-831V | - Software for arrhythmia analysis, QS-831V |
| - External paddle, ND-831V | - Viewer software, QP-551VK |
| - External paddle holder, DP-831VK | - ECG Viewer software, QB-903E |
| - Disposable pads, H327 / H312 | - Cart, KD-831V |
| - Disposable pads adapter cable, JC-865V | - In-vehicle wall mount, KG-831V |
| - Bluetooth module, QI-832V | |

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