

Technical Data

cardiolife

TEC-5601

TEC-5611

TEC-5621

TEC-5631

Defibrillator

DESIGN FEATURES

Reliable biphasic technology

TEC-5600 series defibrillators provide low energy biphasic waveform defibrillation. Biphasic waveform defibrillation requires lower energy than conventional monophasic defibrillation and causes less damage to the myocardium. Biphasic technology demonstrates superior results to save the patient from 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 contact 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.

Fast shock and continuous observation

It takes less than 4 seconds to charge 200 J with either AC power or a fully charged new battery. Faster charging helps you deliver energy more quickly when VF is observed.

The ECG baseline recovers within 3 seconds after defibrillation. The defibrillation result and patient condition can be confirmed quickly.

In AED mode, "Continuous VF analysis" analyzes the ECG waveform even during CPR so energy charging can start before the shock advisory message. This allows quick delivery of shock.

Smart cable

ECG, SpO₂ and CO₂ sensors and cables of TEC-5600 series can be used interchangeably with TEC-8300 series defibrillators and Nihon Kohden's patient monitors. You don't need to change the sensors and cables on the patient; just connect them to the other device for smooth transport.

Pre-hospital operation

TEC-5600 series defibrillators have longer time battery operation than conventional defibrillators and the high power backlit LCD provides clear visibility even under strong sunlight. Moreover, operating temperature is from -5 to 45 °C and they have high waterproof properties and high dust resistance based on IP44*. (*with either paddle connector cable or internal paddle, and all cables connected.)

Quick ECG waveform recovery

After defibrillation, the ECG waveform recovers within 3 seconds so you can immediately check the defibrillation result.

6.5-inch color TFT LCD

Up to 4 waveforms can be displayed simultaneously on the 6.5-inch clear color TFT LCD, 640 x 480 pixels (VGA).

Onscreen operation guide

Illustrations provide more information than simple alarm messages. For example, a "CONNECTOR OFF" technical alarm message on the screen advises how to resolve the problem. The guide also shows the recommended measurement method for each parameter.

Non-invasive pacing (TEC-5631)

Demand or fixed mode is selectable. Output current can be set in 1 mA steps

AED (Automated External Defibrillation)

(TEC-5611/5621*/5631*)

AED is available with disposable pads. When a shockable rhythm is detected, the defibrillator automatically starts charging for hands-free defibrillation. Adult or Child mode can be changed easily with CHILD MODE button.

*An optional disposable pad adapter cable is required.

Voice recording

Surrounding sound, synchronized with the ECG waveform, can be recorded on an optional SD card.

Self-test

To ensure reliable use of the defibrillator, it has a daily and monthly self-test and a self-test whenever the power is turned on or off or the power cord is connected or disconnected.

The self-test checks the battery expiration date and remaining voltage, and the High-Voltage circuit. You can immediately see the test result by a green or red indicator on the front panel. The self-test result can be saved in internal memory for later review.

SPECIFICATIONS

◆ Model

	External Paddle	Disposable Pad	Internal Paddle	3/6 Lead ECG	Cardioversion	AED mode	Recorder	SpO2 (option)	CO2 (option)	External pacing	CPR-Assist
TEC-5601	✓							✓	✓		✓ (option)
TEC-5611		✓		✓	✓	✓	✓	✓	✓		✓ (option)
TEC-5621	✓	✓ (option)	✓ (option)	✓	✓	✓	✓	✓	✓		✓ (option)
TEC-5631	✓	✓ (option)	✓ (option)	✓	✓	✓	✓	✓	✓	✓	✓ (option)

◆ Defibrillator

Defibrillation type: Manual, Synchronized, AED*

* Adult or child mode selectable.

Output energy (across 50 Ohm):

External Paddle: 2, 3, 5, 7, 10, 15, 20, 30, 50, 70, 100, 150, 200 and 270J

Internal Paddle: 2, 3, 5, 7, 10, 15, 20, 30 and 50J

Disposable Pad: 2, 3, 5, 7, 10, 15, 20, 30, 50, 70, 100, 150, 200 and 270J

AED mode (Adult): 1st 150J, 2nd 200J, 3rd 200 J (Default setting)

(50, 70, 100, 150, 200 and 270J can be selected)

AED mode (Child): 1st 50J, 2nd 70J, 3rd 70J (Default setting)

(50, 70, 100J can be selected)

Energy accuracy (across 50 Ohm):

2J: +/-0.5J

3J: +/-1J

5 to 15J: +/-2J

20 to 270J: +/-10%

Output waveform:

Biphasic, truncated exponential constant power

Charging time:

Manual Mode:

AC power operation;

to 270J, less than 5 s

to 200J, less than 4 s

from power-on to 270J, within 10 s

Battery operation (Battery is fully charged new battery at 20°C ambient temperature);

to 270J, less than 5 s

to 200J, less than 4 s

from power-on to 270J, within 10 s (after 15 discharges at 270J)

AED mode (both AC power and battery operation*);

from standby mode to 270J, within 8 to 15 s

from power-on to 270J, within 14 to 23 s

*after 15 discharges at 270J with fully new battery at 20 °C ambient temperature

Charging energy on display:

Numeric value is displayed on the screen.

Charge status indication:

A charged sound after charging is complete.

Synchronized discharge: Available

Discharge time:

within 60 ms from the peak of R wave to peak of discharge.

Automatic internal discharge:

Stored energy is internally discharged in the following cases:

- 1) Control dial set to DISARM, AED, MONITOR, BASIC CHECK, PACING or SETUP
- 2) Power turned OFF
- 3) Paddle connector disconnected from main unit.
- 4) Preset period passed after completion of charging (default setting: 40 s)
- 5) Disposable pads removed from the patient
- 6) Non-shockable rhythm detected in AED analysis
- 7) Paddles discharged in the air

VF analysis:

Analysis time:

“Continuous VF Analysis” set to ON;

Analysis of shockable rhythm: minimum 3 s

Analysis of non-shockable rhythm: minimum 5 s

“Continuous VF Analysis” is OFF;

Analysis of shockable rhythm: minimum 5 s

Analysis of non-shockable rhythm: minimum 8 s

Shockable rhythm:

VF waveform (amplitude 0.1 mV or more, no QRS, no flat parts more than 1 s, no noise)

VT waveform (heart rate 180 bpm or more)

VF analysis accuracy:

Shockable Rhythm VF: Sensitivity more than 90 %

Shockable Rhythm VT: Sensitivity more than 75 %

Non-shockable Rhythm: Specificity more than 95 %

Paddle contact lamp:

Indicated impedance by three LED s on the sternum paddle

Green: 0 to 100 Ohm

Yellow: 101 to 200 Ohm

Orange: 201 ohm or more

◆ Display

Display size: 6.5 inch color TFT LCD

Viewing area: 132.48 (W) mm x 99.36 (H) mm

Resolution: 640 (H) x 480 (V) pixels

Luminance: 1000 cd/m²

Number of trace: maximum 4 traces

ECG: ECG 1 trace or ECG cascade 2 trace (*1)

SpO₂ measurement: Pulse waveform (*1)

CO₂ measurement: Respiration waveform (*1)

*1: can be selectable in the setting

Sweep length: 100.8 mm ("LARGE NUMERICS" function set to OFF)

Sweep speed:

ECG, Pulse, SpO₂: 25, 50 mm/s

CO₂: 6.25, 12.5 mm/s

Display parameters:

Heart rate, SpO₂ (%), Pulse rate, ETCO₂, Respiration rate

Display indications:

ANALYZING, CHARGING, CHARGED, times of discharge after Power ON, same message as voice in AED mode, SYNC, AED MODE, AED MODE (CHILD), FIXED MODE, DEMAND MODE, Pacing rate, Pacing current, ~ (AC operation), battery mark (remaining operation time), TIME, Connection strength for Bluetooth, recorder status, SD card status

Freeze function: Available;

Waveforms are frozen for 3 minutes after freeze button is pressed.

◆ **Indicator**

Status Indicator:

Green: Self-test result normal

Red: Self-test result abnormal

(Red during self-test)

Alarm indicator: Lights or blinks in cyan, yellow or red depending on the alarm type

LED indications:

AC LED: Lights when AC power is supplied.

Battery charging LED: Lights when AC power cord and battery are connected, and battery is charged.

Battery charged LED: Lights when AC power cord and battery are connected, and battery charging complete.

Pacing pulse sync LED: Lights when pacing pulse output.

Shock button LED (main unit): Blinks when energy charging complete.

Shock button LED (external paddle): Blinks when energy charging complete.

◆ **Sound**

Types of sounds:

Alarm (sound conforming to IEC60601-1-8), Key pressed, Sync (QRS, Pulse, HR, SpO₂), Measurement complete, Energy charging, Charging complete, CPR

Volume setting: Available

◆ **Voice**

AED mode (Adult/Child mode): Available

Volume setting: Available

◆ **ECG**

ECG lead:

Paddle, I, II, III, aVR*, aVL*, aVF*, V (two of V1 to V6)*, AUX

*: with 6-electrode connection cable

Display sensitivity:

Lead: 10 mm/mV +/- 5% (at x 1 sensitivity)

Paddle: 10 mm/mV +/-15% (at x 1 sensitivity)

Sensitivity control: 1/4, 1/2, 1, 2, 4

Frequency response:

Lead: 0.05 to 150 Hz (-3dB at 10 Hz, recording only)

Paddle: 0.5 to 20 Hz (-3dB at 10 Hz)

AUX: 0.05 to 150 Hz, (-3dB at 10 Hz, recording only)

Input impedance:

Lead: 5 Mohm or more

Paddle: 100 Kohm or more

AUX: 100 Kohm +/- 10%

Transient properties:

Lead: 0.32 s to 1 s (filter: "Monitor" is selected)

Lead: 3.2 s or more (filter: "Diagnosis" is selected) (0.32 s fixed in defibrillation mode, pacing mode)

Paddle: 0.32 to 1 s

AC filter: Available; common with 50/60 Hz; On at -20 dB or less, Off

Offset voltage: +/- 4 mm or less (on recording paper)

Heart rate count range:

0, 15 to 300 bpm +/-3%+/-1 bpm (defibrillation mode and monitor mode)

0, 15 to 220 bpm (pacing mode)

Baseline recovery time: Less than 3 seconds after 270 J defibrillation

Pacing pulse rejection: Available (on/off)

QRS detection level: Input conversion 0.5 mV or more (at x 1 sensitivity)

Common mode reject ratio (CMRR): ≥100 dB when AC hum filter is on

Alarm limits:

High: 35 to 300 bpm (1 bpm/step), off

Low: 30 to 295 bpm (1 bpm/step), off

◆ **SpO₂**

Measurement range: 0 to 100 %

Measurement accuracy:

+/-2%SpO₂ (80% ≤ SpO₂ ≤ 100% SpO₂)

+/-3%SpO₂ (70% ≤ SpO₂ <80% SpO₂)

(Measuring accuracy assured at ambient temperature between 18 and 40 °C.)

Pulse rate counting range: 30 to 300 bpm

Pulse rate counting accuracy: +/-3 % +/- 1 bpm

Sensitivity control:1/8, 1/4, 1/2, 1, 2, 4, 8, AUTO

Alarm setting:

High: 51 to 100% (1 % step), off

Low: 50 to 99% (1 % step), off

◆ **CO₂**

Calculation method:

TG-900P/TG-920P: semi-quantitative

TG-980P: quantitative

Measurement range:

TG-900P/TG-920P: 0 to 100 mmHg

TG-980P: 0 to 150 mmHg

Measurement accuracy:

TG-900P/TG-920P:

± 0.4 kPa ($0 \leq \text{CO}_2 \leq 1.33$ kPa) (± 3 mmHg ($0 \leq \text{CO}_2 \leq 10$ mmHg))
 ± 0.53 kPa ($1.33 < \text{CO}_2 \leq 5.33$ kPa) (± 4 mmHg ($10 < \text{CO}_2 \leq 40$ mmHg))
 $\pm 10\%$ reading ($5.33 < \text{CO}_2 \leq 13.3$ kPa ($40 < \text{CO}_2 \leq 100$ mmHg))

(At 1 atmospheric pressure, air inspiration, no condensation)

TG-980P:

± 0.27 kPa ($0 \leq \text{CO}_2 \leq 5.33$ kPa) (± 2 mmHg ($0 \leq \text{CO}_2 \leq 40$ mmHg))

$\pm 5\%$ reading ($5.33 < \text{CO}_2 \leq 9.33$ kPa ($40 < \text{CO}_2 \leq 70$ mmHg))

$\pm 7\%$ reading ($9.33 < \text{CO}_2 \leq 13.3$ kPa ($70 < \text{CO}_2 \leq 100$ mmHg))

(When no condensation)

Sensitivity control:

0 to 20 mmHg, 0 to 40 mmHg, 0 to 80 mmHg

Warm up time:

TG-900P, TG-920P: about 5 s

TG-980P: about 10 s

Response time:

TG-900P: 160 ms (typical) for steps from 10 to 90%

TG-920P: 120 ms (typical) for steps from 10 to 90%

TG-980P: <60ms (typical) for steps from 10 to 90%

Respiration rate counting range:

TG-900P/TG-980P: 3 to 150 counts/min

TG-980P: 0 to 150 counts/min

Alarm limits:

High: 2 to 99 mmHg (1 mmHg/step), off

Low: 1 to 98 mmHg (1 mmHg/step), off

Apnea: 5 to 40(5 /step), off

◆ **NIBP**

Measurement method: Oscillometric

Cuff pressure display range: 0 to 300 mmHg

Accuracy:

± 3 mmHg (0 to 300 mmHg)

Cuff inflation time: within 11 sec

Cuff inflation maximum pressure limiter:

Adult/child: 300 to 330 mmHg

Cuff inflation time limiter:

Adult/child: within 180 sec

Measurement mode: Manual, STAT (Maximum 10 min), Periodic (1, 2, 2.5, 5, 10, 15, 30min, 1, 2, 4 and 8 hour(s)) *cuff deflates when defibrillation is performed.

◆ **CPR-Assist**

Feature

The CPR assist is used for actual CPR. So that CPR can be performed in accordance with guidelines, the CPR assist outputs a certain tempo tone and displays a temp indicator, and outputs voice instructions based on measured compression depth and compression frequency,

The compression waveform is recorded on the CPR assist and this compression waveform can be output by communication to an external CPR or other device so that the quality of CPR can be

checked from the compression depth waveform even after performing CPR.

General

Compression depth: Target depth range of 50 to 60mm

Lower limited range: 45 to 55mm

Upper limited range: 55 to 70mm

Tempo indicator: 100 times per minute, consistent with AHA and ERC guidelines

(Selectable from 100/110/120 times/min)

Communication

Communication technology: Bluetooth

Communication method: Bluetooth standard

Ver.2.1+EDR

Maximum RF output power: 4 dBm

Dimensions and Weight

Dimensions: 71W x 126 D x 32 H mm

Weight: 166g (excluding battery)

Battery

Type of battery: two AAA batteries

Mains voltage: 3V DC

Battery operation time: 5 hours

◆ **Noninvasive Pacing (TEC-5631)**

Pacing modes: fixed or demand

Waveform: modified trapezoid

Pulse width: 40 ms $\pm 10\%$

Pacing rate: 30 to 180 ppm, 10 ppm step

Pacing rate accuracy: $\pm 10\%$

Pacing current: 0, 8 to 200 mA in 1 mA steps

Pacing current accuracy: $\pm 10\%$ or ± 2 mA whichever is larger

Maximum load resistance: 350 ohm (at 200 mA)

Refractory period: 350 ms (30 to 90 ppm)
240 ms (100 to 180 ppm)

◆ **Recorder (TEC-5611/5621/5631)**

Paper speed: 25, 50 mm/s

Sensitivity: 10 mm/mV $\pm 10\%$

Paper width: 50 mm roll

Printing density: 8 dots/mm

Recorded waveforms:

ECG, ECG + SpO₂, ECG + CO₂ (selectable; SpO₂ or CO₂ available when SpO₂ or CO₂ is measured)

Manual recording:

- Real time recording: Waveform from when Record button is pressed

- Delayed recording: 4 s delay when delayed waveform is selected.

- Event recording: Waveform from 4 s before to 8 s after EVENT key pressed

- Trend report: 1, 2, 4, 8 or 24 hour' trend graph of HR, SpO₂, PR, CO₂, RR and VPC

- Self-test result

- Basic check result

- Operation history/Device condition history

Automatic recording:

- Alarm report: Starts recording waveform when vital alarm occurs (on/off selectable)

- Defibrillation recording: Starts recording when charging starts in defibrillation mode
- Periodic list report: 1, 2, 4, 8 or 24 hours of HR, SpO₂, PR and CO₂

◆ Interface

Output: Defibrillation report, alarm report, event report and data which are saved in SD card or internal memory can be output by Bluetooth module.

SD card:

ECG data with surrounding sound, defibrillation report, alarm report and event report can be saved in SD card.

1GB: up to 107 hours continuous ECG data or 24 hours continuous ECG data with surrounding sound

2GB: up to 169 hours continuous ECG data or 50 hours continuous ECG data with surrounding sound

Software upgrade available by SD card.

External ECG input: External ECG signal can be input and displayed as 1/1000.

◆ Self-test

Daily: Remaining battery, Battery voltage, Battery expire date and battery type, Paddle, Memory, System error

Monthly: High voltage circuit (270J charge and internal discharge), Speaker, Status indicator and daily self-test items

When power cord is connected / disconnected: High voltage circuit (50J charge and internal discharge up to 2 times a day) and daily self-test items

When Power is turned on/off: Available

Self-test result: Status indicator turns red when self-test result is abnormal.

◆ Dimensions and Weight

Dimensions (mm):

311 (W) x 288 (H) x 242 (D) mm +/-10% (without external paddle and paddle holder)

Weight:

TEC-5601: 6.4 kg +/-10%

(Including 1 battery, external paddle and external paddle holder)

TEC-5611: 5.7 kg +/-10%

(Including 1 battery)

TEC-5621: 6.8 kg +/-10%

(Including 1 battery, external paddle and external paddle holder)

TEC-5631: 6.9 kg +/-10%

(Including 1 battery, external paddle and external paddle holder)

Paddle electrode size:

Adult 88.5 x 60 mm +/-3 mm

Child 32.5 x 63 mm +/-3 mm

(Paddle cord length: 2.0 m or more)

(Internal paddle cord length: 2.8 m +/- 0.05 mm)

◆ Power Requirement

AC line voltage: 100 to 240 V

AC line frequency: 50 or 60 Hz

AC line power input:

150 VA or less (continuous load)

300 VA or less (intermittent load)

◆ Battery

Type: Ni-MH battery

Power voltage: 12.0 V (9.0 to 18.0 V)

Capacity: 2800 mAh

Operation time: With a fully charged new battery, at 20 °C

-Minimum 100 times discharges at 270J or Minimum 180 minutes continuous monitoring (without option) or Minimum 120 minutes continuous pacing (TEC-5631 without option)

With fully charged new battery, at 0 °C

-Minimum 50 times discharges at 270J

Charging time (until fully charged): 3 hours or less (with AC and power off)

◆ Environment

Operating temperature: -5 to 45°C

Operating humidity: 15 to 95%

Operating atmospheric pressure: 620 to 1060 hPa

Storage temperature: -25 to 70°C

Storage humidity: 10 to 95%

Storage atmospheric pressure: 500 to 1,060 hPa

◆ Electromagnetic Compatibility

-Emission

IEC60601-1-2: 2007 CISPR11 group1 class B

IEC60601-2-4: 2010

IEC60601-2-27: 2011

IEC60601-2-49: 2011

ISO80601-2-55: 2011

ISO80601-2-61: 2011

-Immunity

IEC60601-1-2: 2007

IEC60601-2-4: 2010

IEC60601-2-27: 2011

IEC60601-2-49: 2011

ISO80601-2-55: 2011

ISO80601-2-61: 2011

Mechanical strength

Vibration:

MIL-STD-810F 514.5 Category 4 Restrained Cargo Exposure Level Annex A 2.2.1C (1)

MIL-STD-810F 514.5 Category 9 Helicopter

EN1789: 2007, Am1: 2010

Shock:

IEC60068-2-27: 2008

EN1789: 2007, Am1: 2010

Drop:

IEC60068-2-32: 1975, Amendment 2: 1990

EN1789: 2007, Am1: 2010

◆ Safety

Applicable Laws:

Medical Device Directive (Class II b)

WEEE Directive

RoHS Directive

Applicable Regulations:

IEC60601-1:2005

IEC60601-1 Amendment 1: 2012

IEC60601-2-4: 2010

IEC60601-1-2: 2007

IEC60601-1-6: 2010

IEC60601-1-8: 2006

IEC60601-1-8 Amendment 1: 2012

IEC60601-2-27: 2011

IEC60601-2-49: 2011

ISO 10993-1: 2009

ISO 14971: 2007

EN 1789: 2007

EN 1789 Amendment 1: 2010

According to the types of protection against electrical shock:

AC power: CLASS I EQUIPMENT

Battery power: INTERNALLY POWERED EQUIPMENT

According to the degree of protection against electrical shock:

TYPE BF APPLIED PART

(external paddle and disposable pads)

DEFIBRILLATION-PROOF TYPE CF APPLIED PART

(internal paddle, ECG connection cable, SpO₂ probe, CO₂ sensor kit)

According to the degree of protection against harmful ingress of water and solid foreign objects:

IP44 (with paddle connector cable or internal paddle, all related cables are connected.)

According to the degree of safety of application in the presence of a flammable anesthetic mixture, oxygen or nitrous oxide:

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or with oxygen or nitrous oxide

Mode of operation: Continuous operation

STANDARD ACCESSORIES

Defibrillator main unit, TEC-5601

- External paddle, pre-connected
- External paddle holder, DP-831V
- Operator's manual
- Service manual CD-ROM
(Order battery separately)
(Order power code separately or purchase locally)

Defibrillator main unit, TEC-5611

- Top cover, YZ-052H4
- **K922** ECG connection cord (3/6), JC-906P
- **Y011** Thermal head cleaner pen
- **A128** Recording paper, RQS50-3
- Operator's manual
- Service manual CD-ROM
(Order battery separately)
(Order power code separately or purchase locally)

Defibrillator main unit, TEC-5621/5631

- External paddle, ND-831V, (child paddles included)
- External paddle holder, DP-831V
- **K922** ECG connection cord (3/6), JC-906P
- **Y011** Thermal head cleaner pen
- **A128** Recording paper, RQS50-3
- Operator's manual
- Service manual CD-ROM
(Order battery separately)
(Order power code separately or purchase locally)

OPTIONS

Internal paddle electrode, 35 mm dia, 1 pair/set, ND-863V

Internal paddle electrode, 45 mm dia, 1 pair/set, ND-864V

Internal paddle electrode, 55 mm dia, 1 pair/set, ND-865V

Internal paddle electrode, 65 mm dia, 1 pair/set, ND-866V

Internal paddle electrode, 75 mm dia, 1 pair/set, ND-867V

Internal paddle electrode with discharge button, 35 mm dia, 1 pair/set, ND-893V

Internal paddle electrode with discharge button, 45 mm dia, 1 pair/set, ND-894V

Internal paddle electrode with discharge button, 55 mm dia, 1 pair/set, ND-895V

Internal paddle electrode with discharge button, 65 mm dia, 1 pair/set, ND-896V

Internal paddle electrode with discharge button, 75 mm dia, 1 pair/set, ND-897V

Multi parameter/SpO₂ unit, QI-564V

Cart, KD-561V
Wall mount, KG-561V
Gel holder kit, YZ-025H0
Bed rail hook, YZ-047H4
Defibrillation report viewer, QP-551VK
Bluetooth® module, QI-832V
Battery charger, SB-551V
X065 **Rechargeable battery**, NKB-301V
K342B **Dispo-pad adapter cable**, JC-865V
Y154D **SD memory card**, QM-001D, ARP-SDK01GNJ0
Y206A **Test load unit**, AX-250V

CONSUMABLES

Disposable pads

H329 P-711, 1 pair/set, for adult/pediatric, 1.5m
H331 P-721, 1 pair/set, for adult/pediatric, 2.5m
H330 P-713, 1 pair/set, for infant, 1.5m
H327 P-511, 1 pair/set, for adult/pediatric (US)
H312 P-513, 1 pair/set, for infant (US)

Recording paper

A128 RQS50-3, roll, 10 pcs/set, 50 mm x 30 m

Contact Gel

F015 Z-101EA, 100 g x 5/set, GELAID

ECG

ECG connection cord

K922 ECG connection cord, JC-906P, 3/6 electrodes, IEC, 3 m
K922A ECG connection cord, JC-906PA, 3/6 electrodes, AHA, 3 m
K925 ECG connection cord, JC-916P, 3/6 electrodes, IEC, 1.5 m

ECG electrode lead cable

K911 Electrode lead, BR-903P, for 3 electrodes, clip, IEC, 0.8 m
K911A Electrode lead, BR-903PA, for 3 electrodes, clip, AHA, 0.8 m
K910A Electrode lead, BR-913P, for 3 electrodes, snap, IEC, 0.8 m
K917 Electrode lead, BR-923, for 3 electrodes, clip, IEC, 1.5 m
K916 Electrode lead, BR-963P, for 3 electrodes on one lead, clip, IEC
K912 Electrode lead, BR-906P, for 6 electrodes, clip, IEC, 0.8 m
K912A Electrode lead, BR-906PA, for 6 electrodes, clip, AHA, 0.8 m
K915 Electrode lead, BR-916P, for 6 electrodes, snap, 0.8 m
K918 Electrode lead, BR-926P, for 6 electrodes, clip, IEC, 1.5 m

Disposable electrodes (Vitrode series)

G203 L-150, for general use, 30 electrodes x 5/set, 35 mm dia, Vitrode L
G207 L-150X, for general use, X-ray (radiolucent), 30 electrodes x 5/set, 35 mm dia, Vitrode L
G208A F-150ML, for adult, 3 electrodes x 50/set, 22 x 44 mm, Vitrode F
G208B F-150SL, for adult, 3 electrodes x 50/set, 18 x 36 mm, Vitrode F
G210D F-150M, for infant/neonate to adult, 3 electrodes x 50 set, 25 x 45 mm, Vitrode F
G210C F-150S, for NICU, 3 electrodes x 50/set, 18 x 36 mm, Vitrode F
G221 G-600, for ICU/OR, 30 electrodes x 20/set, 47 x 47 mm, Vitrode G
G272A V-090M3, for general use, 3 electrodes x 30/set, DIN, 25 x 45 mm, Vitrode V
G272B V-040M4, for general use, 4 electrodes x 10/set, DIN, Vitrode V
G278A V-091O3, for general use, 3 electrodes x 30/set, DIN, 25 x 45 mm, Vitrode V
G273A V-041O4, for general use, 4 electrodes x 10/set, DIN, 25 x 45 mm, Vitrode V
G272C V-060M6, for general use, 6 electrodes x 10/set, DIN, Vitrode V
G274A V-061O6, for general use, 6 electrodes x 10/set, DIN, 25 x 45 mm, Vitrode V
G271A V-120S3, for NICU, 3 electrodes x 40/set, DIN, 20 x 20 mm, Vitrode V
G300A N-03IS3, for NICU, 3 electrodes x 10/set, DIN, Vitrode N
G260D X150IN, for adult, X-ray, 3 electrodes x 30/set, 1m lead, DIN
G270A NC-032Y, 100 electrodes x 5/set, 20 x 22.5 mm, tab type

SpO₂

SpO₂ connection cord

K931 SpO₂ connection cord, JL-900P, 2.5 m

Probes (BluPRO series)

P225F Finger probe, TL-201T, attached to finger by clip, 1.6 m
P225G Multi-site probe, TL-220T, attached to finger or toe by tape, 1.6 m
P310C Finger probe, TL-630T3, large size, attached to finger by tape, 1.6 m
P311C Finger probe, TL-631T3, regular size, attached to finger by tape, 1.6 m
P259 Cottony tape, 340703, secures probe and cord for stable monitoring, stretchable, 20 pcs/set
P267 Probe fastener, 30 pcs/set

Disposable probes (BluPRO series)

P203A TL-271T, for adult finger or toe, 24 pcs/set, 0.8 m
P203B TL-272T, for child finger or toe, 24 pcs/set, 0.8 m
P203C TL-273T, for neonate instep, 24 pcs/set, 0.8 m
P203D TL-274T, for infant finger or toe, 24 pcs/set, 0.8 m

P203E TL-271T3, for adult finger or toe, 24 pcs/set, 1.6 m
P203F TL-272T3, for child finger or toe, 24 pcs/set, 1.6 m
P203G TL-273T3, for neonate instep, 24 pcs/set, 1.6 m
P203H TL-274T3, for infant finger or toe, 24 pcs/set, 1.6 m
P204A TL-271T, for adult finger or toe, 5 pcs/set, 0.8 m
P204B TL-272T, for child finger or toe, 5 pcs/set, 0.8 m
P204C TL-273T, for neonate instep, 5 pcs/set, 0.8 m
P204D TL-274T, for infant finger or toe, 5 pcs/set, 0.8 m
P204E TL-271T3, for adult finger or toe, 5 pcs/set, 1.6 m
P204F TL-272T3, for child finger or toe, 5 pcs/set, 1.6 m
P204G TL-273T3, for neonate instep, 5 pcs/set, 1.6 m
P204H TL-274T3, for infant finger or toe, 5 pcs/set, 1.6 m

Multi-site Y probe

P205A multi-site Y probe, TL-260T (for adult, child, neonate), 5 pcs/set
P260A Sponge attachment tape S for TL-260T multi-site Y probe, 24 pcs/set
P260B Sponge attachment tape L for TL-260T multi-site Y probe, 24 pcs/set

Disposable probes

P228A TL-051S, for adult/neonate, 5 pcs/set, 0.8 m cable
P228B TL-052S, for adult/neonate, 5 pcs/set, 1.6 m cable
P229A TL-061S, for child/infant, 5 pcs/set, 0.8 m cable
P229B TL-062S, for child/infant, 5 pcs/set, 1.6 m cable

CO₂

Semi-quantitative method

P903 CO₂ sensor kit, TG-900P (TG-101T + JG-900P), 3 m
P922A CO₂ sensor, TG-101T, 1 m
K981 CO₂ adapter, JG-900P, 2 m
R801 Airway adapter, YG-101T, 50 pcs/set
P907 CO₂ sensor kit, TG-920P (TG-121T + JG-920P), 3.5 m
P923 CO₂ sensor, TG-121T, 2 m
K984 CO₂ adapter, JG-920P, 1.5 m
R804 Airway adapter, YG-111T, 30 pcs/set
V922 Nasal adapter, YG-121T, for nasal/oral, 30 pcs/set
V923 Nasal adapter, YG-122T, for nasal/oral, 30 pcs/set, with O₂ supply tube adapter

V927 Oxygen cannula, 25 pcs/set

Quantitative method

P909 CO₂ sensor kit, TG-970P (TG-221T + JG-970P), 3.5 m
P924 CO₂ sensor, TG-221T, 3 m
K987 CO₂ adapter, JG-970P, 0.5 m
R805 Airway adapter, adult, YG-211T, 30 pcs/set
R806 Airway adapter, neonate/infant, YG-213T, 30 pcs/set

NIBP

S901 Air hose for NIBP, YN-900P, 1.5m
S902 Air hose for NIBP, YN-901P, 3.5m
S903 Extension hose for NIBP, YN-990P, 1.5m
S904 Air hose, neonate, YN-920P, 1.5m
S905 Air hose, neonate, YN-921P, 3.5m

CUFF

S943A NIBP cuff, YP-960T, infant, 5cm
S943B NIBP cuff, YP-961T, child, 7cm, small
S943C NIBP cuff, YP-962T, child, 10cm,
S944B NIBP cuff, YP-963T, adult, 13cm,
S944C NIBP cuff, YP-964T, adult, 15cm, large
S944D NIBP cuff, YP-965T, adult, 19cm, thigh

YAWARA CUFF

S949A NIBP cuff, YP-702T, child, 10cm,
S949B NIBP cuff, YP-703T, adult, 13cm,

YAWARA CUFF2

S951A NIBP cuff, YP-710T, infant, 5cm,
S951B NIBP cuff, YP-711T, child, 7cm,
S951C NIBP cuff, YP-712T, adult, 10cm, small
S951D NIBP cuff, YP-713T, adult, 13cm,
S951E NIBP cuff, YP-714T, adult, 15cm, large
S951F NIBP cuff, YP-715T, adult, 19cm, thigh

ORDERING INFORMATION

When ordering, please specify the following information:

Defibrillator model

Requirements for consumables

Requirements for optional accessories

Specify the code in **XXXX**