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Some specifications of this product may differ depending on the destination country or region. Therefore descriptions in the Japanese manual and English and other language manuals may also differ.

本产品的部分规格可能因国家地区而有所不同。因此、日语、英语以及其他语言的说明书亦可能存在一定的差异。

This airway adapter can be used with Nihon Kohden monitors which measure the partial pressure of the expired CO₂. Refer to the operator's manual for your Nihon Kohden monitor to check if the YG-111T airway adapter can be used with your Nihon Kohden monitor. Read the operation manuals for the monitor, CO₂ sensor, and CO₂ sensor kit together with this manual.

Symbol	Description	Symbol	Description
	Caution		Keep away from rain
	Do not reuse		Temperature limits
	Date of manufacture		Humidity limits
	Manufacturer		Atmospheric pressure limits
	Use by	Rx Only	Prescription device (US federal law)
LOT	Lot number	MD	Medical device The MD symbol is applied in accordance with European Union legislation.
EC REP	European representative		
	Stacking limit by number ("n" is the limiting number)	CE	The CE mark is a protected conformity mark of the European Union.
	This way up		
	Fragile		

WARNING

When using the YG-111T airway adapter on a patient with low ventilatory volume, check the ventilation taking into consideration the 4 mL dead space of the airway adapter. If that dead space is too much for this patient, appropriate ventilation might be impossible. The CO₂ may mix in the inspiration due to the airway adapter's dead space, resulting in inaccurate measured value or difficulty in detecting apnea.

WARNING

Do not use the airway adapter for a neonate because the dead space volume of the airway adapter is about 4 mL.

CAUTION

Only use the specified airway adapter. Otherwise, the maximum performance cannot be guaranteed due to larger dead space volume, leak or insecure circuit connection, etc.

CAUTION

The airway adapter is non-sterilized and disposable. Use only for a single patient and single use. Failure to follow this instruction causes cross infection.

CAUTION

Use the airway adapter with patients over 7 kg.

CAUTION

Do not use an airway adapter which is past the expiration date.

CAUTION

If a humidifier is used, water droplets may accumulate inside the airway adapter and affect the measurement accuracy. Remove the droplets periodically.

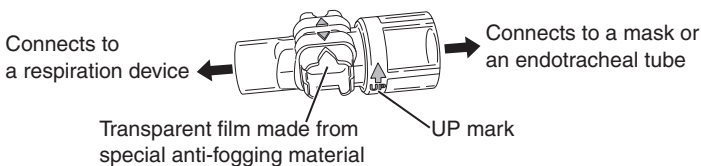
General

The YG-111T airway adapter is used with a TG-121T CO₂ sensor or TG-920P, TG-921T3 or TG-921T4 CO₂ sensor kit to measure the partial pressure of the expired CO₂ of the patient.

Application

Dead space volume: 4 mL

For patients more than approx. 7 kg



CAUTION

Connect the airway adapter to the respiration circuit so that the UP mark on the airway adapter faces upward. Otherwise, water droplets may get into the airway adapter and affect the measurement accuracy.

CAUTION

Failure to follow the instructions below degrades the anti-fogging ability of the transparent film and results in incorrect measurement.

- Replace the airway adapter with a new one every 24 hours.
- Replace the airway adapter with a new one if blood, sputum or mucus adhere to the transparent film.
- Do not damage the transparent film. Do not let dust or detergent contact the transparent film. Do not touch, wipe or clean the transparent film with fingers or cleaners.

CAUTION

United States law restricts this device to sale by or on the order of a physician.

NOTE

- Open the package just before use.
- Do not leave the airway adapter in a place with high temperature such as on a dashboard of a car. This may deform the airway adapter and cause inaccurate measurement.
- Loose or damaged connections may compromise ventilation or result in inaccurate measurements of respiratory gases. Securely connect all components and check the connections regularly.
- Do not use a damaged or deformed airway adapter.
- Do not dispose of the airway adapter package until after using all the airway adapters because the model and manufacturer are listed only on the package.

EOG Sterilization

You can sterilize the airway adapter with ethylene oxide gas only once and before use. Follow the sterilizing conditions below. The sterilizing conditions depend on the contamination of the adapter. Refer to the manual of the sterilizing equipment.

Do not sterilize the airway adapter more than once. The safety cannot be guaranteed.

Gas:	EO 30% + CO ₂ 70%
EO concentration:	710 mg/L
Temperature:	45°C, 113°F
Relative humidity:	50%
Pressure:	-93.3 kPa to 49.1 kPa
Period:	4 to 10 hours

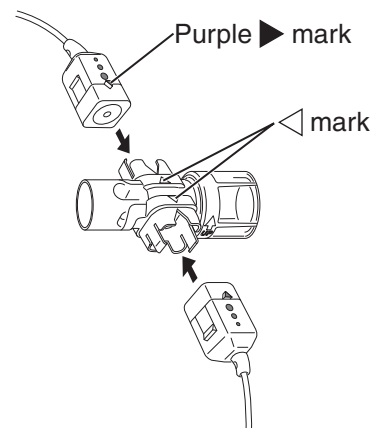
To remove the remaining gas from the airway adapter after sterilization, first decrease the internal pressure of the sterilization equipment to -101.3 kPa (-760 mmHg) with a vacuum pump, then add carbon dioxide or antiseptic gas in the equipment. Repeat this procedure (aeration) at least 5 times. Take the airway adapter out of the sterilization equipment and leave it for at least 1 day at 20°C (68°F) or more before using it.

NOTE

Do not autoclave the airway adapter. High temperature and high pressure damage the adapter.

Replacing the Airway Adapter

Connect the CO₂ sensor to the airway adapter so that the purple ► mark on the CO₂ sensor and the ◁ mark on the airway adapter align. Insert the CO₂ sensor into the airway adapter until it clicks. Refer to the operator's manual of the CO₂ sensor kit together with this manual.



Pull the sensor part of the CO₂ sensor when removing the airway adapter.

NOTE

Do not pull the CO₂ sensor cable. This may break the cable.

Cleaning and Disinfecting of the Airway Adapter

This airway adapter is disposable. You cannot clean or disinfect it. Immediately replace the airway adapter with a new one when it becomes dirty.

Expiration Date of the Airway Adapter

This airway adapter is disposable. The expiration date is within 36 months including the month of manufacture.

Disposing of the Airway Adapter

Dispose of the airway adapter by following your local laws for disposing of medical waste.

CAUTION

Dispose of Nihon Kohden products according to your local laws and your facility's guidelines for waste disposal. Otherwise, it may affect the environment. If there is a possibility that the product may have been contaminated with infection, dispose of it as medical waste according to your local laws and your facility's guidelines for medical waste. Otherwise, it may cause infection.

Environment

Operating Environment

Temperature: 0 to 45°C (32 to 113°F)
Humidity: 30 to 95% RH (noncondensing)
Atmospheric pressure: 70 to 106 kPa

Storage Environment

Temperature: -20 to +65°C (-4 to +149°F)
Humidity: 10 to 90% RH (noncondensing)
Atmospheric pressure: 70 to 106 kPa

Options

Description	Model	Q'ty	Supply Code
CO ₂ sensor kit	TG-920P	1	P907
	TG-921T3	1	P908
	TG-921T4	1	P907B
CO ₂ adapter	JG-920P	1	K984
	JG-921T3	1	K985
	JG-921T4	1	K984B
CO ₂ sensor	TG-121T	1	P923
Nasal adapter	YG-120T	30	V921
	YG-121T	30	V922
	YG-122T	30	V923

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Note for users in the territory of the EEA and Switzerland:

Any serious incident that has occurred in relation to the device should be reported to the European Representative designated by the manufacturer and the Competent Authority of the Member State of the EEA and Switzerland in which the user and/or patient is established.



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