CEo123



DISPOSABLE SENSOR

REF GSE0004 (GIMA 33754) GSE0002 (GIMA 33755) GSE0005 (GIMA 33756)

GSE0004 (GIMA 33757) GSE0002 (GIMA 35109)



Contec Medical Systems Co. Ltd. No.112 Qinhuang West Street, Economic & Technical Development Zone, Qinhuangdao, Hebei Province, PEOPLE'S REPUBLIC OF CHINA

Prolinx GmbH, Brehmstr, 56, 40239 EC REP

> Imported by Gima S.p.A Via Marconi. 1 - 20060 Gessate (MI) Italy gima@gimaitaly.com - export@gimaitaly.com





Product name: Pulse Oximeter Probe

Productmodel: GSE0004 (GIMA 33754) GSE0002 (GIMA (33755) GSE0005 (GIMA 33756) GSE0004 (GIMA 33757) GSE0002 (GIMA 33109)

Scope of application

This product is used to match CONTEC Patient Monitor , Electronic Sphygmomanometer, Pulse Oximeter collect and transmit the SpO₂ signal from patient with continuance and no trauma. It is inapplicable to monitor the weak perfusion moving state and monitor for long, so check the measuring position or change for another position per 4 hours.

(8)

RPM

Unique device identifier

Type BF Applied Part

Taboo disease:

Don't fix the product on the position with tissue injury. It is inapplicable for the patient or users allergic to PVC、TPU、TPE、ABS plastic Product performance:

- 1) The range of SpO₂ measurement: 70%~100%;
- Accuracy: 70~100%:±2%; Below 70%: unspecified 2) The range of pulse measurement: 30~250bpm;
- Accuracy: ±2bpm or ±2%(select larger).
- 3) Optical Sensor:

LOT

MD

Red light (wavelength is 650~670nm, 6.65mW)

Infrared (wavelength is 880~910nm, 6.75mW)

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Lot number

Manufacturer

Medical Devic

Explanation about graphs and symbols used on the product

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SpO2

EC REP

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Main configuration: Consisting of plug, cable and probe.

Power supply requirement: The special power is supplied by from the equipments of CONTEC Patient Monitor, Electronic

Sphygmomanometer, Pulse Oximeter which are applicable to the requirements of IEC60601-1

Directions for use:

Note: This product is type BF applied part:

Sketch map	Model explanation	Applied crowds	Placement
	GSE0003 (2.3.10.00006) Adult disposable sensor	Weight>30Kg adult	Recommendatory placement: forefinger
	GSE0004 (2.3.10.00007) Pediatric disposable sensor	Weight10∼50kg Pediatric	Recommendatory placement: forefinger
	GSE0005 (2.3.10.00008) Infant disposable sensor	Weight3~20kg Infant	Recommendatory placement: big toe
	GSE0002 (2.3.10.00002 & 2.3.10.00009) Neonatal disposable sensor	Weight<3kg neonate /weight>40kg adult	Recommendatory placement: neonate's foot, adult's forefinger

Figure 1

- 1) As Figure 1, the pulse oximeter probe of different types is applied to different crowds
- 2) Select proper probe and put recommendatory placement according to Figure 1.
- 3) Arrange the cable along the back of hand when place the pulse eximeter probe.
- 4) Connect pulse oximeter probe with pulse oximeter, Electronic Sphygmomanometer, or patient monitor and check if the operating procedure accords with the procedure introduced in user manual.
- Pulse Oximeter Probe GSE0002 (2.3.10.00002) needs the help of the FST0001 pulse Oximeter probe extension cable to be connected into the jack of the Pulse Oximeter CMS60D, CMS70A for normal use. Connect the FST0001 pulse Oximeter probe extension cable into the jack of the Pulse Oximeter CMS60D, CMS70A, then connect pulse oximeter probe to the other end of the EST0001 pulse Oximeter probe extension cable. Plug the sensor connector firmly into the FST0001 blood oximeter extension cable.

Pulse Oximeter Probe GSE0002 (2.3.10.00002) needs the help of the FST0004 pulse Oximeter probe extension cable to be conn into the jack of the Electronic Sphygmomanometer CONTEC08A for normal use. Connect the FST0004 pulse Oximeter probe extension cable into the jack of the Electronic Sphygmomanometer CONTEC08A, then connect pulse oximeter probe to the other end of the FST0004 pulse Oximeter probe extension cable. Plug the sensor connector firmly into the FST0004 blood oximete extension cable.

Pulse Oximeter Probe GSE0002 (2.3.10.00002) needs the help of the EST0014 pulse Oximeter probe extension cable to be connected into the jack of the new Patient Monitor CMS8000 for normal use. Connect the FST0014 pulse Oximeter probe extension cable into the jack of the Patient Monitor CMS8000, then connect pulse oximeter probe to the other end of the FST0014 pulse Oximeter probe extension cable. Plug the sensor connector firmly into the FST0014 pulse oximeter extension cable.

Notice items:

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Keep in a coo

Product code

Medical Device complies with Directive 93/42/EEC

Humidity limit

Not made with natural rubber latex

IPX2

REF

WEEE disposa

Pulse rate (bpm

C €₀₁₂₃

(%)

(TATEX)

1) pulse eximeter probe placement, the position without ductus arteriosus. BP cuff and vein input pipe is top-priority.

2) If the pulse oximeter probe can't monitor the state of pulsation, it shows that the position of probe is improper, or the position is too thick, too thin or having too deep pigment to reach a proper translucidus effect. If above things has happened, place the probe again or select probe of other type.

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Guidance and manufacturer's declaration – electromagnetic emissions-fo pulse oximeter probe

Guidance and	l manufacturer's de	claration – electromagnetic emission	
		the electromagnetic environment specified below. The should assure that it is used in such and environment.	
Emission test	Compliance	Electromagnetic environment – guidance	
Conducted and radiated RF EMISSIONS CISPR 11	Group 1	The pulse oximeter probe uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.	
Conducted and radiated RF EMISSIONS CISPR 11	Class B		
Harmonic distortion IEC 61000-3-2	Not Applicable	The pulse oximeter probe is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domest purposes.	
Voltage fluctuations and flicker IEC 61000-3-3	Not Applicable		

Guidance and manufacture's declaration – electromagnetic immunity – for pulse oximeter probe

Guidan	ce and manufacture's	declaration – electro	magnetic immunity	
The pulse oximeter pro	be is intended for use in the elec	tromagnetic environment spe	ecified below. The customer or the user	
of pulse oximeter prol	be should assure that it is used i	n such an environment.		
Immunity test	IEC 60601 test level	Compliance level	nce level Electromagnetic environment - guidance	
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	±8 kV contact ±15 kV air	Floors should be wood, concrete or ceramic tile. If floor are covered with synthetic material, the relative humidity should be at least 30%.	
Power frequency (50/60Hz) magnetic field IEC61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz	Power frequency magnetic fields Should be at levels characteristic of a typical location in a typical commercial or hospital environment.	

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3) This pulse oximeter probe should be applied to the special medical equipment. Operator is responsible to check the compatibilit Incompatible fittings or device will influence the measuring result.

4) The disposal of scrap instrument and its accessories and packing (including battery, plastic bags, foams and paper boxes) should

follow the local laws and regulations Maintenance/cleaning/disinfection:

- 1) Check if the product is undamaged and clean before using
- 2) This product is not allow to use disinfection liquid for disinfection, this probe belong to one-off products
- Note: Don't immerse the product in the liquid, and don't expose it under the strong ultra-violet radiation

Service life: Suggest this product use only once don't use again

Environment requirements:

Transport and storage

- 1) Temperature: -20°C~+55°C
- 2) Humidity: less than 95% 3) Pressure: 500hPa~1060hPa
- Operating
- 1) Temperature: +5°C~+40°C
- 2) Humidity: less than 90%
- Pressure: 700hPa~1060Pa Statement:

1) pulse oximeter probe needs special precautions regarding EMC and needs to be installed and put into service according to the

EMC information provided in User Manual and test repor 2) Portable and mobile RE communications equipment can affect pulse eximeter probe

Warning:

1) The use of cables other than those specified, with the exception of cables sold by CONTEC as replacement parts for internal components, may result in increased emissions or decreased immunity of pulse eximeter probe

2) pulse oximeter probe should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary,

the pulse oximeter probe should be observed to verify normal operation in the configuration in which it will be used.

3) Improper usage can result in inaccurate measurement.

4) Using it under too strong light will cause inaccurate measurement, in case of that, please set a opaque stuff around the probe to cul 5) You should move the probe to other position per 4 hours at least. Because the state of local skin can influence the ability of skin to

enduring probe, it is necessary to replace the position of probe according to the state of patient. Please do that when skin integrity changes.

The dvestuff in blood vessel cab cause the inaccurate measurement.

7) The performance of pulse eximeter probe is influenced by movement easily, so it is not suitable for active patient to use it

8) Don't fix the probe with belt or bundle it tightly, because the vein pulsation can cause inaccurate SpO2 measurement. Same as other medical equipment, the cable should be set properly to avoid enlacing or asphyxiate patient.

10) Don't use it in the process of MRI scan, because the conductor current may burn the skin of patient moreover, the probe will

influence MRI image and MRI set will also influence the accuracy of SpO₂ measurement. 11) Don't change the product at will, otherwise the capability or accuracy of product will be influenced

12) The probe is not intended for use during patient transport outside the healthcare facility.

13) DO NOT use the probe while the patient is being scanned by MRI or CT.

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Guidance and manufacturer's declaration – electromagnetic immunity –for pulse oximeter probe that are not LIFE-SUPPORTING

	user of pulse oximeter probe should assure that it is used in such an environment. Compliance			
Immunity test	IEC 60601 test level	level	Electromagnetic environment - guidance	
Conducted RF IEC 81000-4-6 Radiated RF IEC 81000-4-3	3Vms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	3 V/m	Portable and mobile RF communications equipm should be used no closer to any part of the purchase probe, including cables, than recommended separation distance calculated from the equation applicable to the frequency of transmitter.	

reflection from structures, objects and people

Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile reliades, amateur radio, AM and PM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. The assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the pulse somitteer probe is used exceeds the applicable. RF compliance level above, the pulse oximeter probe should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the pulse oximeter

Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.



Disposal: The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment