

ME Supplies

Patient Monitoring
Accessories and Consumables

Fighting Disease with Electronics

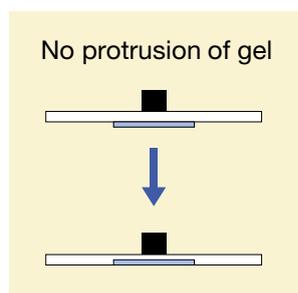
 **NIHON KOHDEN**

Vitrode *The result of over 30 years experience in disposable electrode manufacturing*

Vitrode L



L-150X(G207)



- 35 mm diameter for adult use.
- For general ECG and 12-lead ECG monitoring.
- Less gel remains when removed from the skin.
- Low impedance for clear waveform.
- Radiolucent.
- Non-clinical studies have shown that this electrode fits MR conditionally. The MR test can be safely performed on a patient wearing this electrode under the following conditions, based on self-certification.
 1. Static magnetic field strength 1.5T and 3.0T
 2. Switched gradient magnetic field 45T/m
 3. Maximum whole body SAR displayed by the MR equipment 2W/Kg in normal operation mode
- The maximum temperature rise occurring in this electrode under the above conditions is less than 0.1°C (32.18°F) for every 15minutes of continuous MR scanning
- The maximum size of artifact appearing in images acquired with 3T MR equipment using gradient echo is 6.9 mm

Radiolucent

Order Code	Model	Quantity	Size	Applicable for
G207	L-150X	30 pcs/pack × 5 packs	35 mm dia	Adult

Adhesion	Skin Friendliness
★★★★★	★★★

*Number of stars is for reference only, dependent on patients' skin condition.

Vitrode F



F-150M (G210D)



F-150S (G210C)

- Smaller size for neonate to child
- Entire attachment area has a conductive and adhesive gel to reduce skin irritation
- Contain denatonium, unarmful bitter agent, to help prevent accidental ingestion by children
- Radiolucent
- Small sized packaging to prevent drying during storage
- Can be reapplied if it is immediately after the first application

Order Code	Model	Quantity	Size	Applicable for
G210D	F-150M	3 pcs/sheet × 50 packs	25 × 45 mm	Adult, child
G210C	F-150S	3 pcs/sheet × 50 packs	19 × 36 mm	Neonate, child

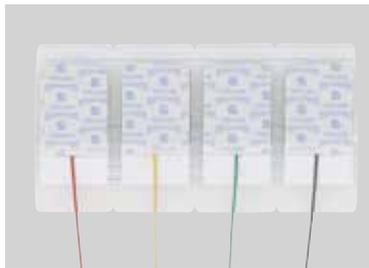
Order Code	Model	Adhesion	Skin Friendliness
G210D	F-150M	★★★★★	★★★★★★
G210C	F-150S	★★★	★★★★★★

*Number of stars is for reference only, dependent on patients' skin condition.

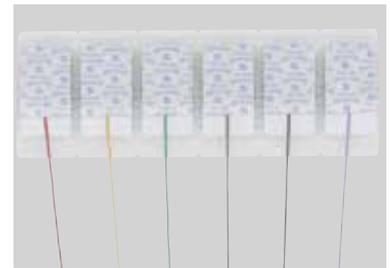
Vitrode V



V-090M3 (G272A)

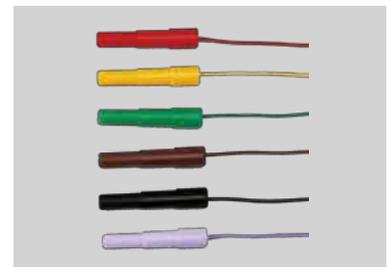


V-040M4 (G272B)



V-060M6 (G272C)

- Lead wires are attached together to prevent tangling in incubators
- Radiolucent
- Conductive adhesive gel is used to reduce skin irritation
- Good visibility due to the same color of connectors and cables



Radiolucent, prewired

Order Code	Model	Quantity	Size	Length	Applicable for
G272A	V-090M3	3 colors/sheet × 30 packs	25 × 45 mm	1.0 m	Adult, child
G272B	V-040M4	4 colors/sheet × 10 packs	25 × 45 mm	1.0 m	Adult, child
G272C	V-060M6	6 colors/sheet × 10 packs	25 × 45 mm	1.0 m	Adult, child
G278A	V-09IO3	3 colors/sheet × 30 packs	25 × 45 mm	1.5 m	Adult, child
G273A	V-04IO4	4 colors/sheet × 10 packs	25 × 45 mm	1.5 m	Adult, child
G274A	V-06IO6	6 colors/sheet × 10 packs	25 × 45 mm	1.5 m	Adult, child

Vitrode M



- Strong adhesive tape material (Foam tape)
- Made to be difficult to peel off even if water and medical solution gets on the electrode
- Low-noise monitoring is possible immediately after the application
- Radiolucent

Whole surface adhesion

Order Code	Model	Quantity	Size	Applicable for
G236	M-150	30 pcs/pack × 5 packs	40 mm dia	Adult

Adhesion	Skin Friendliness
★★★★★	★★

*Number of stars is for reference only, dependent on patients' skin condition.

Disposable Electrode



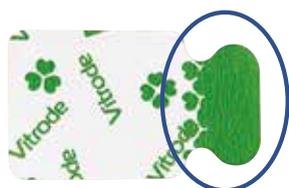
- Adhesive gel
- Makes it easy to use when measuring 12-lead ECG
- Radiolucent
- Zippered bag to prevent electrodes from drying
- Skin friendly

Whole surface adhesion

Order Code	Model	Quantity	Size	Applicable for
G270A	NC-032Y	100 pcs/pack × 5 packs	20 × 22.5 mm (excluding tab)	Adult

Adhesion	Skin Friendliness
★★★	★★★★★

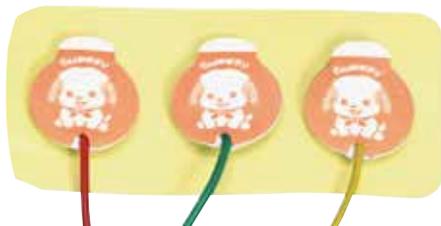
*Number of stars is for reference only, dependent on patients' skin condition.



Pinch the tab with a clip type electrode lead.

Guide for which Vitrode to offer to which site		
Site	Best matching Vitrode	Reasons
Operating Room, Emergency Room		<ul style="list-style-type: none"> Made to be difficult to peel even if water and medical solution gets on the electrode. E.g., Preoperative antiseptic solution Low-noise monitoring is possible immediately after the application. E.g., Emergency Room
Intensive Care Unit, Coronary Care Unit etc. "X"CU	 	<p>F-150M</p> <ul style="list-style-type: none"> Adhesion is weaker than M-150 however, reduces skin irritation for patients with sensitive skin. <p>M-150</p> <ul style="list-style-type: none"> Strong adhesion and resistance against water, medical solution, and other liquids.
General Ward		<ul style="list-style-type: none"> Skin friendly. Contains denatonium to help prevent accidental ingestion. Small sized packaging to prevent drying.
Pediatric Ward		<ul style="list-style-type: none"> Skin friendly. Contain denatonium to help prevent accidental ingestion by children.

Vitrode N



G300D (N-01IS3)

Designed for High-Humidity Incubators

- Durable and adhesive gel hardly swells, preventing electrodes from peeling even under humid environment
- Smallest electrodes among Vitrode series
- Soft radiolucent lead wires are bundled to prevent the leads being tangled around the baby

Adhesion		Skin Friendliness	Adhesive Strength to Body Movement
Humidified Environment*	Non-Humidified Environment		
★★★★★	★★★	★★★★★	★★

*Humidified environment means inside incubator; indicates durability of electrodes in incubator. Star indicates the strength in each category. The more stars the better the electrodes address the category



G300A (N-03IS3)

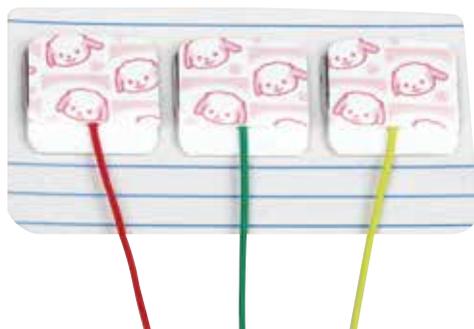
Skin-Friendly with Gentle Adhesive

- Skin-friendly adhesive gel; gentle for less skin irritation
- Electrodes for the baby whose dermis is immature
- Soft radiolucent lead wires are bundled to prevent the leads being tangled around the baby

Adhesion		Skin Friendliness	Adhesive Strength to Body Movement
Humidified Environment*	Non-Humidified Environment		
★	★★	★★★★★★	★

*Humidified environment means inside incubator; indicates durability of electrodes in incubator. Star indicates the strength in each category. The more stars the better the electrodes address the category

Vitrode V



G271A (V-120S3)

Available from Neonate to Infant

- Bitter chemical compound is used on the electrodes to prevent accidental swallowing
- Electrodes are specifically designed for the more active baby
- Soft radiolucent lead wires are bundled to prevent the leads being tangled around the baby

Adhesion		Skin Friendliness	Adhesive Strength to Body Movement
Humidified Environment*	Non-Humidified Environment		
★★	★★★★	★★	★★★★

*Humidified environment means inside incubator; indicates durability of electrodes in incubator. Star indicates the strength in each category. The more stars the better the electrodes address the category

Order Code	Model	Quantity	Size	Length	Applicable for
G271A	V-120S3	3 colors/pack × 40 packs	20 × 20 mm	0.6 m	Infant to neonate*
G300A	N-03IS3	3 colors/pack × 10 packs	14 × 25 mm	0.6 m	Low birth weight to infant*
G300D	N-01IS3	3 colors/pack × 10 packs	15 mm dia	0.6 m	Very low birth weight Extremely low birth weight

*prewired

Electrode leads



For 3 electrodes

Order Code	Model	Type	Lead
K911	BR-903P	IEC	Clip
K911A	BR-903PA	AHA	Clip
K903A	BR-933P	IEC	Clip
K903B	BR-933PA	AHA	Clip
K910A	BR-913P	IEC	Snap
K910B	BR-913PA	AHA	Snap
K904A	BR-943P	IEC	Snap
K904B	BR-943PA	AHA	Snap

For 6 electrodes

Order Code	Model	Type	Lead
K912	BR-906P	IEC	Clip
K912A	BR-906PA	AHA	Clip
K903C	BR-936P	IEC	Clip
K903D	BR-936PA	AHA	Clip
K915	BR-916P	IEC	Snap
K915A	BR-916PA	AHA	Snap
K904C	BR-946P	IEC	Snap
K904D	BR-946PA	AHA	Snap

For 2 electrodes

Order Code	Model	Type
K907	BR-902P	Clip
K908A	BR-912P	Snap



For 3 electrodes

Order Code	Model	Type	Lead
K916	BR-963P	IEC	Clip

ECG connection cords



For BSM/CSM/PVM, 3/6 electrodes

Order Code	Model	Type	Length
K922	JC-906P	IEC	3 m
K925	JC-916P	IEC	1.5 m
K922A	JC-906PA	AHA	3 m

ECG patient cables



For BSM/CSM, 10 electrodes

Order Code	Model	Type	Length
K901	BJ-900P	IEC	3.8 m
K901A	BJ-900PA	AHA	3.8 m

ECG connection cords



For BSM/CSM, 10 electrodes

Order Code	Model	Type	Length
K921	JC-900P	IEC	3 m
K921A	JC-900PA	AHA	3 m

• Use with Vitrode V

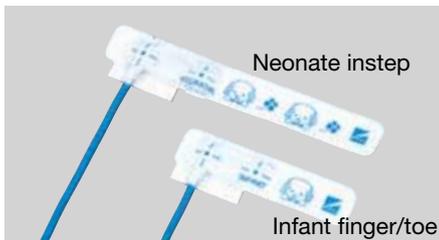
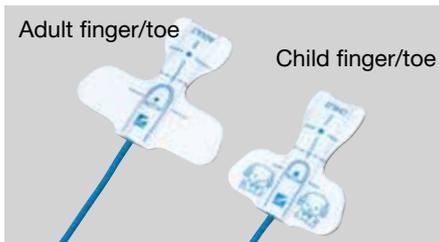
Neonatal adapter



Order Code	Model
L021	JC-990P

- Use with disposable electrodes with leads
- Use L021 (JC-990P) when having trouble detecting respiration by the impedance method with a low impedance neonate/child

Single-patient use SpO₂ probes



Adhesive

Order Code	Model	Quantity	Length	Applicable for
P203A	TL-271T	24	0.8 m	Adult finger/toe
P203E	TL-271T3	24	1.6 m	
P203B	TL-272T	24	0.8 m	Child finger/toe
P203F	TL-272T3	24	1.6 m	
P203C	TL-273T	24	0.8 m	Neonate instep
P203G	TL-273T3	24	1.6 m	
P203D	TL-274T	24	0.8 m	Infant finger/toe
P203H	TL-274T3	24	1.6 m	

Non-adhesive, for sensitive skin

Order Code	Model	Quantity	Applicable for
P205A	TL-260T	1 sensor + 4 sponge tape L/ set × 5 packs	Neonate Adult (with ear clip)

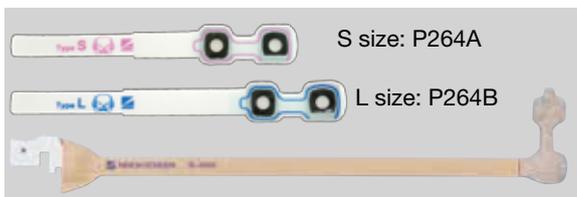


Attachment tape for TL-260T

Order Code/Model	Quantity	Size
P260E	24	S: 1 kg or less at instep 3 kg to 10 kg at finger/toe
P260F	24	L: 1 kg or more

Ear clip, adult use with TL-260T

Order Code/Model
P256



P206 (TL-535U)

Non-adhesive, for sensitive skin

Order Code	Model	Quantity	Attachment site
P206	TL-535U	5 sets	Neonate and preterm infant

Attachment tape for TL-535U

Order Code/Model	Quantity	Size
P264A	6 tapes/pack × 4 packs	S: 1 kg or less
P264B	6 tapes/pack × 4 packs	L: 2.5 kg or less

Fixing tapes



	Order Code/Model	Quantity
COTTONY tape	P259	20
BluPRO attachment tape	P263A	3 tapes/sheet × 30 packs
Probe fastener	P267	30
Foam tape	P260D	4 tapes/sheet × 25 packs

Connection Cords for P206 (TL-535U)



	Order Code	Model	Length
For OLV	K939B	JL-430U	2.9 m
With BSM/CSM/PVM	K930	JL-930P	3 m
With K931 (JL-900P) or L311 (JL-302T)	K929A	JL-030U1	0.3 m
	K929B	JL-030U2	1 m

Connection Cords



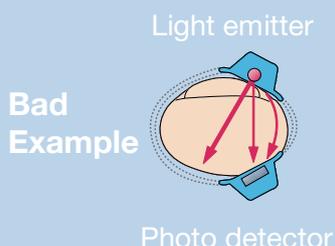
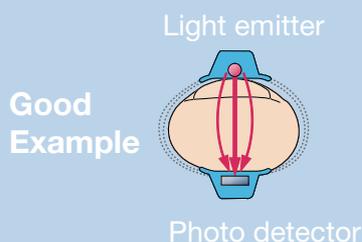
For BSM/CSM/PVM

Order Code	Model
K931	JL-900P

To have a stable SpO₂ measurement

- ◆ Select an attachment site with an appropriate thickness
In most cases, the probe should be attached across a measurement site with a thickness of 6-18 mm.
- ◆ For accurate measurement

It is important that the light emitter and photo detector face each other.





Nihon Kohden's unique sensing technology for both intubated and non-intubated mainstream CO₂ measurement

CO₂ sensor, Quantitative method



- Weighs only 4 g*
- IPX 7 protection against immersion in water
- Accurate for intubated and non-intubated patients
- Reliable even under high humidity conditions
- Durable enough for use in harsh environments
- Safe heater-less system prevents burn injuries

*The sensor weighs 4 grams (does not include the cable and the connector)



Order Code	Model	Length
P910A	TG-980P	2.9 m



The Optimal Capnography Solution For Respiratory Management

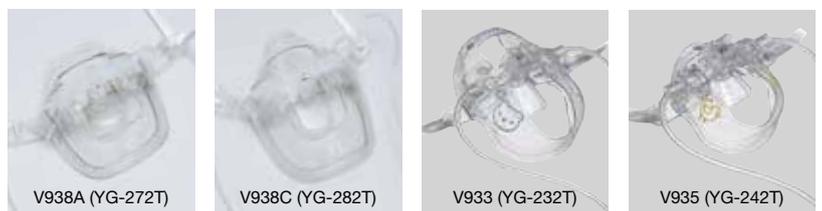
Airway adapter for intubated patients



Order Code	Model	Dead space	Weight	Connection	Quantity	Applicable for
R805	YG-211T	4 mL	7 kg or more	-	30	Adult, child
R806	YG-213T	0.5 mL	-	Connect flow sensor or respiration circuit without inner connector	30	Infant, neonate
R807	YG-214T	1.8 mL	2.5 to 7 kg	Connect flow sensor with an inner connector	30	Infant, neonate

cap-ONE mask for non-intubated patients

cap-ONE mask



Order Code	Model	Dead space	Weight	Quantity	Applicable for
V938A	YG-272T	7 mL	30 kg or more	10	Adult
V938C	YG-282T	10 mL	40 kg or more	10	Large adult
V933	YG-232T	3.5 mL	20 to 40 kg	10	Child
V935	YG-242T	2.5 mL	7 to 20 kg	10	Infant

Ensure Quality of care under Sedation

Accurate respiratory monitoring with optimal oxygen supply

Biteblock during endoscopy



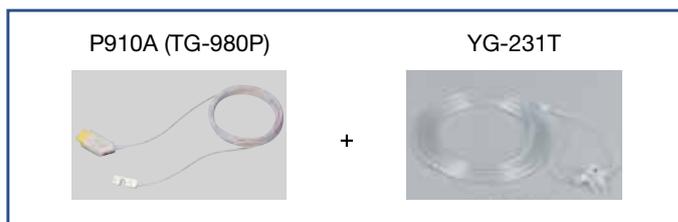
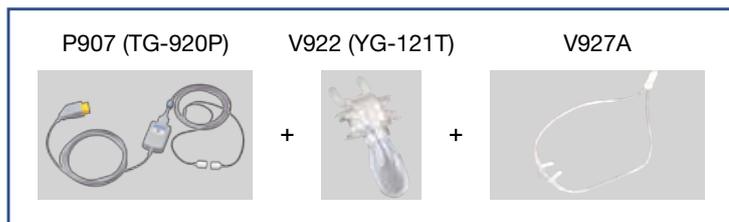
Order Code	Model	Quantity	Applicable for
V939A	YG-227T	20	Adult

Nasal adapter



Order Code/Model	Quantity	Applicable for
YG-220T	30	Adult
YG-221T	30	Adult
YG-230T	30	Child
YG-231T	30	Child

No need to connect the nasal adapter and the oxygen tube. (Compared to YG-120T series for TG-920P)



		P903 (TG-900P)	P907 (TG-920P)	P910A (TG-980P)	GF-210R	GF-220R	GF-310R	GF-320R
Multigas		-	-	-	✓	✓	✓	✓
Flow/Paw		-	-	-	-	✓	-	✓
Sidestream CO ₂		-	-	-	✓	✓	✓	✓
Main stream CO ₂	Semi-quantitative	✓	✓	-	-	-	-	-
	Quantitative	-	-	✓				
Intubated		✓	✓	✓	✓	✓	✓	✓
Non-intubated		-	✓	✓	-	-	-	-
Neonate		-	-	✓	-	-	✓	-

✓ Available

-Not available

CO₂ mainstream, intubated and non-intubated (Semi-quantitative method)

CO₂ sensor kit



Order Code	Model
P907*	TG-920P

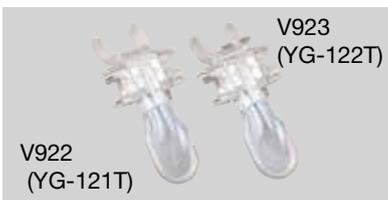
*TG-121 + JG-920P

CO₂ adapter



Order Code	Model
K984	JG-920P

Nasal adapters (non-intubated)



Airway adapter (intubated)



Order Code	Model	Dead space	Weight	Quantity
V922	YG-121T	1.2 mL	10 kg or more	30
V923*	YG-122T	1.2 mL	10 kg or more	30

Order Code	Model	Dead space	Weight	Quantity
R804	YG-111T	4 mL	7 kg or more	30

* With O₂ supply tube adapter

CO₂ mainstream, intubated (Semi-quantitative method)

CO₂ sensor kit



Order Code	Model
P903*	TG-900P

*TG-101T + JG-900P

CO₂ adapter



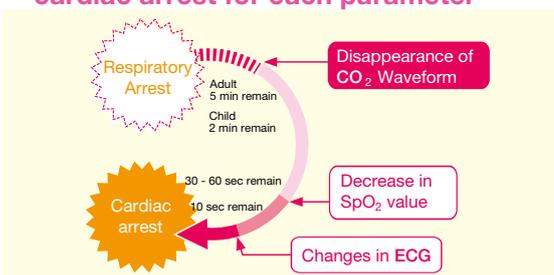
Order Code	Model
K981	JG-900P

Airway adapter



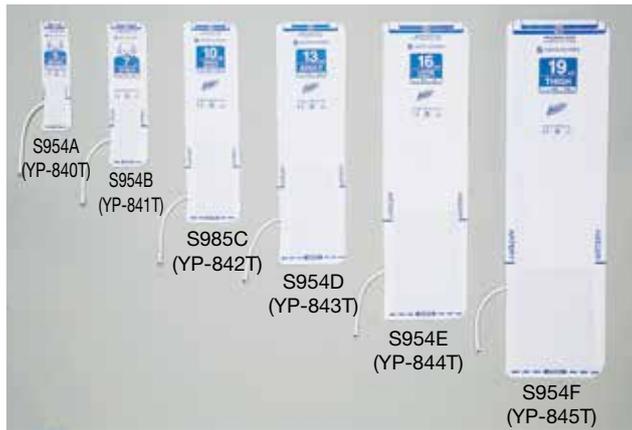
Order Code	Model	Dead space	Weight	Quantity
R801	YG-101T	5 mL	10 kg or more	50

● Reaction time from respiratory arrest to cardiac arrest for each parameter



CO₂ measurement detects respiration failure earlier than SpO₂ and ECG. CO₂ monitoring leads to earlier intervention for improved patient safety.

Disposable NIBP cuffs



Order Code	Model	Width	Range	Quantity	Applicable for
S954A	YP-840T	5 cm	8-13 cm	20	Infant
S954B	YP-841T	7 cm	13-18 cm	20	Child
S954C	YP-842T	10 cm	18-23 cm	20	Adult, small
S954D	YP-843T	13 cm	23-33 cm	20	Adult
S954E	YP-844T	16 cm	33-45 cm	20	Adult, large
S954F	YP-845T	19 cm	45-55 cm	20	Thigh



Order Code	Model	Width	Range	Quantity	Applicable for
S948F	YP-820S	2 cm	3-6 cm	10	Neonate
S948G	YP-821S	3 cm	4-8 cm	10	Neonate
S948H	YP-822S	4 cm	6-11 cm	10	Neonate
S948I	YP-823S	4.5 cm	7-13 cm	10	Neonate
S948J	YP-824S	5 cm	8-15 cm	10	Neonate



IEC 3rd edition
Snap Connector



An IEC 3rd edition neonate air hose can only be connected to disposable cuffs with an IEC 3rd edition snap connector.



An IEC 3rd edition neonate air hose cannot be connected to cuffs with the previous IEC edition snap connector.

Reusable NIBP cuffs YAWARA CUFF2



Order Code	Model	Width	Range	Applicable for
S951A	YP-710T	5 cm	8-13 cm	Infant
S951B	YP-711T	7 cm	13-18 cm	Child
S951C	YP-712T	10 cm	18-23 cm	Adult, small
S951D	YP-713T	13 cm	23-33 cm	Adult
S951E	YP-714T	16 cm	33-45 cm	Adult, large
S951F	YP-715T	19 cm	45-55 cm	Thigh

Airhose



S903 (YN-990P)

Extension cord for S901 (YN-900P)

Order Code	Model	Length
S903	YN-990P	1.5 m



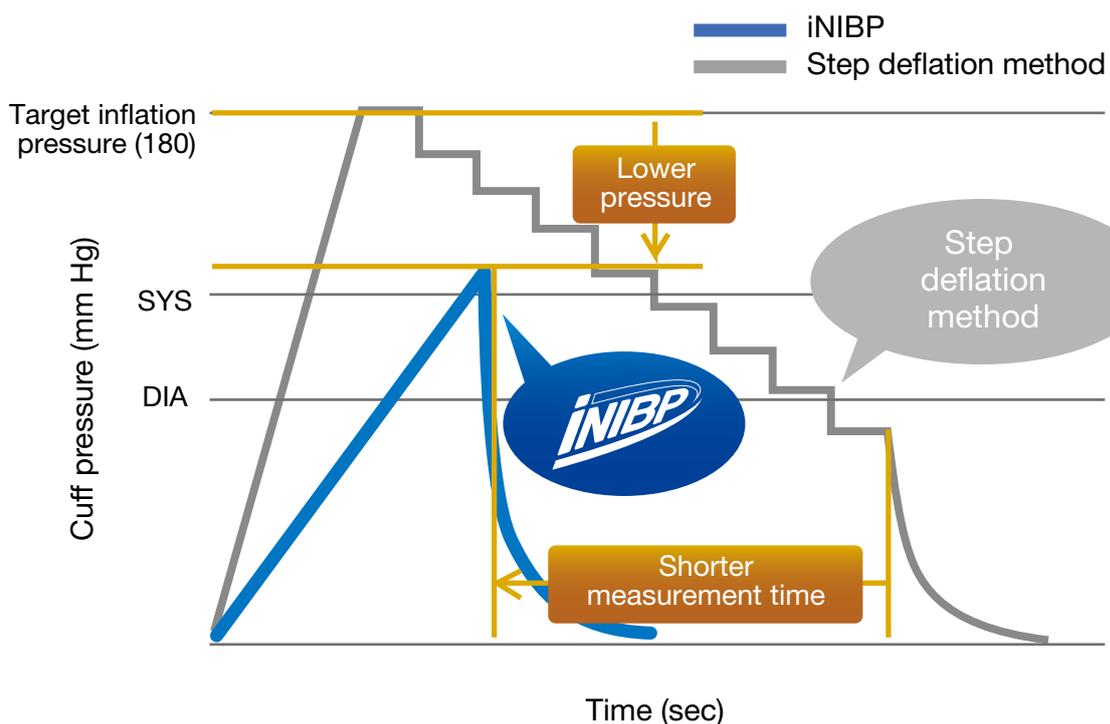
S902 (YN-901P)



S905A (YN-925P)

Order Code	Model	Length	Applicable for
S902	YN-901P	3.5 m	Adult, child
S901	YN-900P	1.5 m	Adult, child
S905A	YN-925P	3.5 m	Neonate
S904A	YN-924P	1.5 m	Neonate

iNIBP method and Step deflation method



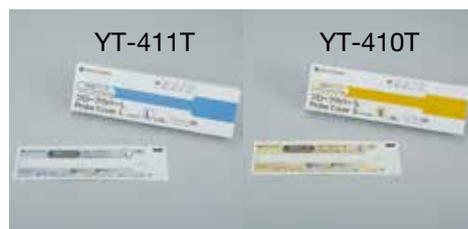
Temperature

Temperature probe



Order Code	Type	Applicable for
TT-481T	Disk	Adult
TT-480T	Disk	Neonate, child

Probe covers



Order Code	Type	Quantity
YT-411T	For TT-411T	20
YT-410T	For TT-410T	20

Insulation pads



Order Code	Type	Quantity
YT-480T	For TT-481T, TT-480T	60



Order Code	Type	Applicable for
TT-411T	Catheter	Adult
TT-410T	Catheter	Neonate, child

Temp connection cord



Order Code	Model
K961	JT-900P

- For Temp connector expansion

IBP

IBP connection cords



Order Code	Model
K951	JP-900P

- Use with MERIT MEDICAL transducer



Order Code	Model	Length
L901	JP-920P	3.5 m
L902	JP-921P	1.5 m

- Use with Edwards Lifescience transducer



Order Code	Model
K957	JP-960P

- Use with Biosensors transducer



Order Code	Model
K952	JP-910P

- For 5P connector

IBP interface insulation cable



Order Code/Model
JP-911P

By connecting CSM-1900/1700/1500 or BSM-6000/3000/1700 to an ICP monitor with JP-911P, data can be obtained from the following ICP monitors

- Integra NeuroSciences: Camino MPM-1, CAM01
- Codman & Shurtleff or Johnson & Johnson ICP EXPRESS (82-6637)

EEG

Disk electrode



Order Code	Model
H471	BE-910P

Collodion electrode



Order Code	Model
H472	BE-920P

Electrode lead



Order Code	Model
K461	BE-930P

EEG Connection cord



Order Code	Model
L461	JE-905P

EEG disk electrode



Order Code	Model
H503B	NE-114A

EEG collodion electrode



Order Code	Model
H527	NE-136A

EEG needle electrode



Order Code	Model
H537	NE-224S

EEG connection cord



Order Code	Model
L462	JE-906P

EEG headband/Disposable electrode



Order Code	Model	Size
H564B	BE-090AS	S
H564C	BE-090AM	M



Order Code	Model
H548A	NE-091S7



Order Code	Model	Quantity
H548B	NE-090S1	1 pc × 6 packs



Order Code	Model	Quantity
H544A	NE-05IS3	5 leads/pack × 5 packs

• Use with L401 or L62 with AE -918P



Order Code	Model	Quantity
H503E	NE-118A	Red × 3 pcs, White × 3 pcs/pack

• Use for O1, 2 electrodes of ae-120A

Multigas

For GF-210R/220R

Water trap



Order Code	Model	Quantity
V918	YG-600P	12

Sampling line



Order Code	Model	Quantity
V919	YG-610P	25

For GF-310R/320R

Water trap



YG-300P



YG-301P

Order Code	Model	Quantity	Applicable for
V924A	YG-300P	10	Adult (200ml/min)
V924B	YG-301P	10	Neonate (200ml/min)

Sampling line



YG-310P

YG-311P

Order Code	Model	Quantity	Length	Usage
V925A	YG-310P	25	3 m	For YG-300P
V925B	YG-311P	25	3 m	For YG-301P

For GF-210R/220R/310R/320R

T-piece



YG-620P



YG-621P

Order Code	Model	Type	Dead space	Quantity
V920A	YG-620P	Straight	5 mL	25
V920B	YG-621P	Elbow	7 mL	25

Flow/Paw

Flow adapter



Order Code	Model
P913	TF-120P

- Use with GF-120/220R/320R

Luer cap



Order Code	Model
P915	YS-094P0

Flow tube



Order Code	Model
P914	YF-120P

- Use with GF-120/220R/320R

Batteries



For BSM-3000/6000, WEP-5200

Order Code	Model
X075	SB-671P



For OLV-2700, OLG-2800

Order Code	Model
X072	YS-085P6



For PVM-2700

Order Code	Model
X076	SB-201P



For BSM-1700, OLV-4000, OLG-3800

Order Code	Model
X161	SB-170P



For CSM-1700

Order Code/Model
SB-970P-CL



For CSM-1500

Order Code/Model
SB-950P-CL



For CSM-1900

Order Code	Model
X162	SB-920P



For PVM-4000

Order Code/Model
SB-470P



For SVM-7100

Order Code/Model
SB-710P



For SVM-7200

Order Code/Model
SB-720P

ECG/BP output cables



K974 (YJ-910P)

Order Code	Model	
K974	YJ-910P	With connector
K975	YJ-920P	With connector



K975 (YJ-920P)

Touch pen



For BSM/WEP

Order Code/Model
Y075

Power cord

Order Code/Model	
L935	US version, 100-110V
L936	European version, 200-240 V
L944	L-shape, 100-127 V
L948	L-shape, 200-240 V

Recording paper

For BSM-9100/6000/3000, CSM-1900/1700/1500, CNS-6201/9601, PVM-4000/2700, WEP-5200

Order Code	Model	Type	Width × Length	Quantity
A721	FQW50-2-100	Z-fold	50 mm × 20 m	10

Some products may not be available in your country.
Contact your Nihon Kohden representative for details.
This brochure may be revised or replaced by Nihon Kohden at any time without notice.



NIHON KOHDEN CORPORATION
1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan
Phone +81 3-5996-8041
<https://www.nihonkohden.com/>