



HAISHEN (SUZHOU) MEDICAL INSTRUMENTS CO.,LTD

☎ 0086-138 1263 0838 0086-186 1660 4188

✉ SALES@HAISHENMED.COM

🌐 WWW.HAISHENMED.COM

📍 3F, 4F(ROOM401,402), 5F, BUILDING 10, NO.168, MAJIAN ROAD,
SUZHOU HIGH-TECH ZONE, SUZHOU, JIANGSU, CHINA

HAISHEN (SUZHOU) MEDICAL INSTRUMENTS CO.,LTD



CONTENTS

01 Introduction **P.01-P.06**

02 Consumables **P.07-P.16**

Adhesive Laryngeal Electrodes

Medical Disposable Needle Electrodes

Disposable Nerve Locating Probes

Disposable Surface Electrodes (Pre-Gelled Ag/AgCl)

Cables for EEG&EMG

03 Instruments **P.17-P.18**

EMG & EP Instrument



INTRODUCTION

People's Health Oriented
Continuous Innovation
Feedback to the Society

POSEIDON medical has researched and developed the electrophysiological diagnosis instrument since 1980s. Through the independently researching ability and cooperation with senior clinical physicians, we conducted dozens of scientific studies. Nearly twenty(20) national grade patents and ten(10) technology progress awards (including one national grade II prize of science and technology progress) has been obtained during past forty(40) years.

Our company upholds 'quality wins recognition, innovations drive development' as the quality principle. Based on demands collecting mechanism and independently researching ability, the new devices we developed are meet the clinical demands. We have plenty of experience in clinical demands transformation, medical device developing and manufacture. Until 2020, our equipment has served more than 2,000 hospitals in 28 provinces in China and southeast Asia neighboring countries.

MORE THAN 40 YEARS
FOCUSING ON ELECTRODIAGNOSTIC

HONOURS AND AWARDS

As the first enterprise in China to develop an electromyographic evoked potential instrument, **POSEIDON** medical has set up a painstaking and creative research and development team. Our company has cooperated with many domestic universities, scientific research institutes and hospitals in the "Industry-University-Research-Medicine" alliance, independently developed equipment and compiled software to adapt to the application of multi-department scenarios.



We win the market with **quality**, seek development with **innovation**, and create excellent quality with national standards, industrial standards and special standards.

HISTORY OF DEVELOPMENT

40 years

Pursue The Frontiers Of Medicine
To Create A Prestigious Product

1980

1980 **POSEIDON** started to develop EMG&EP instruments.

1985-1991

1985 **POSEIDON** EMG&EP instrument used in the clinic.

1991 Joined in the 'Shanghai torch program'.

1992-1994

1993 Main developer won the first 'prize of national science and technology progress award' and treatment of award 'special allowance of the state council'.

Be rated as "Shanghai high-tech enterprise".

1995-2013

1995 **POSEIDON** EMG&EP instrument be rated as 'annual municipal new goods'.

2001 Be rated as 'Shanghai high-tech enterprise' again.

2002 Pass the ISO9001 and ISO13485 quality system certification. **POSEIDON** EMG&EP instrument be rated as 'Shanghai famous brand and high-quality medical instrument'.

2005-2013 Our company has been approved as 'Shanghai integrity medical instrument enterprise.'

2014-2017

2014 Be rated as 'new high-tech enterprise' by Shanghai technology and science association.

2015 Set up the head office of **POSEIDON** in Suzhou: Suzhou Haishen United Medical Equipment Co., Ltd. rated as 'five-star integrity construction enterprise'.

2016 Rated as leading talent enterprise of scientific and technological innovation and entrepreneurship in Suzhou high-tech zone.

2017 Rated as entrepreneurial enterprises with entrepreneurship and innovation talents in Jiangsu province.

2006-2013

2011 Be rated as '2010 the most popular medical device in Shanghai'.

2012 Recognized as a 'four-star honest enterprise'.

2013 Be rated as a 'Five-star integrity company'. Be approved as 'Level A Quality Credit Rating Enterprise' by Shanghai Medical Products Administration.

2018-2022

2018 Won the second 'prize of national science and technology progress award'.

2020 NDI-096 series products registered and successfully launched.

2021 NDI-099 product successfully registered and listed, rated as Suzhou high-tech enterprise, the headquarter of Suzhou relocated.

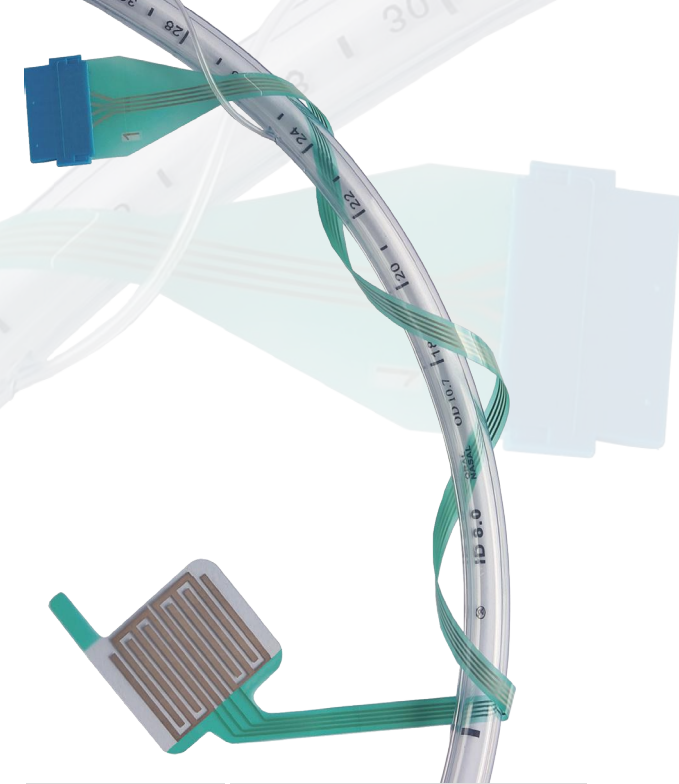
2022 Rated as gazelle enterprise in Jiangsu province.

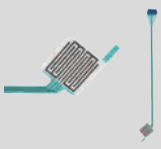
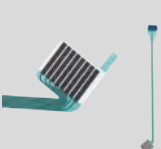
ACCESSORIES



ADHESIVE LARYNGEAL ELECTRODES

Adhesive Laryngeal Electrodes is a new type of intraoperative nerve monitoring adhesive electrode. During the operation, the patient is inserted a tracheal intubation with the adhesive laryngeal electrode. With electrical stimulation of the laryngeal nerve, nerve impulses are formed and transmitted to the muscle to generate EMG signals, form EMG waveforms and prompts to judge the integrity of neural function.



| | |
|--|---|
|  | Model: LAE-2 |
| | Ethylene oxide sterilization, disposable for single patient |
| | Specification: L*W (mm) Inner diameter |
| | 32×29 6~7 mm |
| | 32×37 7.5~9mm |
|  | Model: LAE-4 |
| | Ethylene oxide sterilization, disposable for single patient |
| | Specification: L*W (mm) Inner diameter |
| | 32×29 6~7 mm |
| | 32×37 7.5~9mm |

PRODUCT ADVANTAGES



ACQUISITION EFFICIENCY:

The collection area of the adhesive laryngeal electrodes is made of silver coating with better conductivity. The width of the collection area composed of 8-12 conductive silver coatings is 1.0mm, and the conduction efficiency is about 4-6 times that of the conventional nerve monitoring tracheal intubation.



CHANNELS:

Unlike common intraoperative monitoring consumables, the electrode of adhesive laryngeal electrodes has at most 4 channels.



VERSATILITY:

The endotracheal tube with the inner diameter of 6-9mm can be adapted, and the electrode thickness is only 0.1mm. The appropriate endotracheal tube can be flexibly selected according to the patient's condition for use, with a wide range of application.

Medical Disposable Needle Electrode

Medical disposable needle electrode can record EMG signal simply and reliably. For different applications, our company provides various electrodes. The electrode is sterilized with ethylene oxide, which is only for one-time use.

- High elastic medical grade stainless steel wire made by special process grinding and vacuum smelting.
- In order to reduce the bleeding and pain of the patient at the acupuncture point, the needle electrode is sharpened with a small angle of inclined plane.
- In order to improve the reliability and stability of the conductivity, the needle electrode adopts the gold-plated anti-oxidation safety contact connector din42802 (international standard plug).
- In order to easily distinguish the electrical signals of various parts, 12 colors are used to code the left and right parts of the human body. The sterilization packaging bag is packaged by heat sealing, which is convenient for operators to carry.

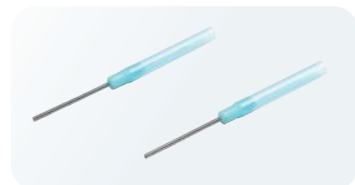


Disposable EMG Needle Electrodes



| Model | Needle length | Needle diameter |
|-------------|---------------|-----------------|
| EN-C25/0.35 | 25mm | 0.35mm |
| EN-C30/0.35 | 30mm | 0.35mm |
| EN-C37/0.45 | 37mm | 0.45mm |
| EN-C38/0.45 | 38mm | 0.45mm |
| EN-C40/0.45 | 40mm | 0.45mm |
| EN-C50/0.45 | 50mm | 0.45mm |
| EN-C60/0.50 | 60mm | 0.50mm |

Disposable EMG Monopolar Needle Electrodes



| |
|----------------------------------|
| Model: EN-B15/0.26 |
| Color: Blue |
| Needle Length: 15/20/50mm |
| Wire Length: No wire |

Disposable Subdermal Needle (Botox Needle) Electrodes



| | |
|--|--------------------------------------|
| Model: EN-S1500/37/0.45 EN-S1500/50/0.60 | EN-S1500/50/0.50 EN-S1500/75/0.70 |
| Color: 3Colors | |
| Needle length: 37/50/75mm | |
| Needle diameter: 0.45/0.50/0.60/0.70mm | |
| Wire length: 1500mm | |

Disposable Sterile Corkscrew Needle Electrodes (Single)



| | |
|--|--|
| Model: EN-L1500/20/0.60 EN-L2000/20/0.60 | |
| Color: 6Colors | |
| Needle length: 20mm | |
| Needle diameter: 0.60mm | |
| Wire length: 1500mm/2000mm/2500mm | |

Disposable Subdermal Needle Electrodes (Single)



| | |
|--|------------------|
| Model: EN-S1500/13/0.40 EN-S2500/13/0.40 | EN-S2000/13/0.40 |
| Color: 6Colors | |
| Needle length: 13mm | |
| Needle diameter: 0.40mm | |
| Wire length: 1500mm/2000mm/2500mm | |

Disposable Subdermal Needle Electrodes (Twisted)



| | |
|--|-------------------|
| Model: EN-ST1500/13/0.40 EN-ST2500/13/0.40 | EN-ST2000/13/0.40 |
| Color: 12Colors | |
| Needle length: 13mm | |
| Needle diameter: 0.40mm | |
| Wire length: 1500mm/2000mm/2500mm | |

Disposable Sterile Corkscrew Needle Electrodes (Twisted)

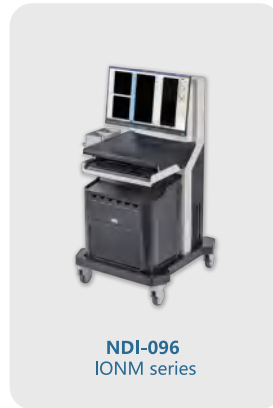


| | |
|--|--|
| Model: EN-LT1500/20/0.60 EN-LT2000/20/0.60 | |
| Color: 12Colors | |
| Needle length: 20mm | |
| Needle diameter: 0.60mm | |
| Wire length: 1500mm/2000mm/2500mm | |

Disposable Nerve Locating Probes

Medical disposable nerve probe consists of probe, handle, wire and connector. It is used to stimulate nerves in neurosurgery and assist in the diagnosis and monitoring of nerve function during operation.

- In neurosurgery, it is mainly used for direct stimulation of cranial nerve, spinal nerve root and brainstem. The concentric probe is mainly used for small range stimulation. The electric pulse impulse shock wave emitted by the central electrode is controlled within the outer circle electrode, with the range limited to mm, which is not easy to cause large action.
- When stimulating peripheral nerve and pedicle screw, ball tip probe and flush tip probe are often used.
- The use of triple hook probe is the same as that of double hook probe, but the artifact is small (the diffusion of stimulation current is controlled).
- In order to record the conduction of peripheral nerve and the identification and function judgment of nerve during peripheral nerve transplantation, bipolar, double ball and double hook probes are often used for peripheral nerve stimulation and recording.



Disposable Bipolar Direct Nerve Stimulator Probe



Model: OPB0.8/90x2

Probe Shaft Effective Length: 90mm
Probe Diameter: 0.8mm

Disposable Double Hook Nerve Stimulator Probes



Model: OPH1.2/90x2x180°

Probe Shaft Effective Length: 90mm
Probe Diameter: 1.2mm

Disposable (Bent) Concentric Nerve Stimulator Probe



Model: OPCB1.3/90x1

Probe Shaft Effective Length: 90mm
Probe Diameter: 1.3mm

Disposable Monopolar Direct Nerve Stimulator Probe



Model: OPM0.8/90x1

Probe Shaft Effective Length: 90mm
Probe Diameter: 0.8mm

Disposable Ball Tip Direct Nerve Stimulator Probe



Model: OPG2.3/160x1

Probe Shaft Effective Length: 160mm
Probe Diameter: 2.3mm

Disposable Concentric Nerve Stimulator Probe



Model: OPC1.3/90x1

Probe Shaft Effective Length: 90mm
Probe Diameter: 1.3mm

Disposable Bent Ball Tip Nerve Stimulator Probe



Model: OPGB2.3/200x1

Probe Shaft Effective Length: 200mm
Probe Diameter: 2.3mm

Disposable Flush Tip Direct Nerve Stimulator Probe



Model: OPT0.8/90x1

Probe Shaft Effective Length: 90mm
Probe Diameter: 0.8mm

Disposable Double Hook Nerve Stimulator Probes



Model: OPH1.2/90x2x90°
Model: OPH1.2/90x2x100°

Probe Shaft Effective Length: 90mm
Probe Diameter: 2.3mm

Disposable Double Ball Tip Direct Nerve Stimulator Probes



Model: OPG2.0/80x2

Probe Shaft Effective Length: 80mm
Probe Diameter: 2.0mm

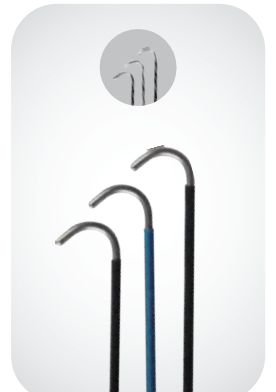
Disposable Triple Hook Nerve Stimulator Probes



Model: OPH1.2/90x3x100°

Probe Shaft Effective Length: 90mm
Probe Diameter: 1.2mm

Disposable Triple Hook Nerve Stimulator Probes



Model: OPH1.2/90x3x180°

Probe Shaft Effective Length: 90mm
Probe Diameter: 1.2mm

Disposable Surface Electrodes (Pre-Gelled Ag/AgCl)

The disposable surface electrode is an electrode combining nanometer silver/silver chloride conductive film and conductive gel together. When the disposable surface electrode is applied, the EC signals between the electrode pad and the skin are transmitted by a layer of irreversible high-tech material made from Ag/AgCl and thin electrolyte. Presently, it's a relative accurate and convenient surface electrode for clinical testing and recording EC,EE and evoking potentials.

The electrode has the following functions:

- Fast response time, easy to achieve balance.
- The potential is small and stable, the reproducibility is good, the dc drift is small, and the dc offset voltage will not be formed.
- It is not easy to interfere with bioelectric signals. There is no white noise and nonlinearity, which is better in the low frequency range. The imported high-quality gel is used. The electrode and electrolyte have no harm to the body, no side effects, and good biocompatibility.



Disposable Surface Electrodes (Use with Mini-Crocodile Clip)



Model: Mini-Crocodile Clip
FN-NO25×35/100

Electrode Size: 25mm*35mm
100 Pieces Per Box

Disposable Surface Electrodes (Pre-Gelled Ag/AgCl)



Model: Stranded Sector

FN-T15×20/1500

FN-T15×20/2000

FN-T15×20/2500

Electrode Size: 25mm*35mm

Wire Length: 1500/2000/2500mm



Model: Single Line Sector

FN-S15×20/1500

FN-S15×20/2000

FN-S15×20/2500

Electrode Size: 25mm*35mm

Wire Length: 1500/2000/2500mm

CABLES FOR EEG&EMG

EEG&EMG Cables is mainly used for electromyography, electroneurography and somatosensory evoked potential examination in cooperation with electromyography equipment to collect and transmit human bioelectricity signals.

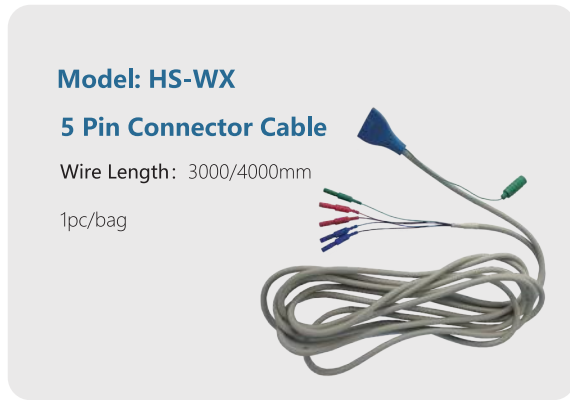




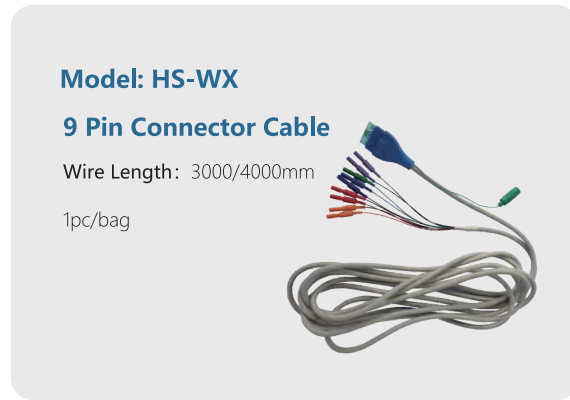
Model: HS-QX
Medical Bridge Electrodes
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-ZH
Disposable Digital Ring Electrodes
(Plug type)
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-WX
5 Pin Connector Cable
 Wire Length: 3000/4000mm
 1pc/bag



Model: HS-WX
9 Pin Connector Cable
 Wire Length: 3000/4000mm
 1pc/bag



Model: HS-ZH
Disposable Digital Ring Electrodes
(One-piece)
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-WG
Crocodile Clip Cable
 Wire Length: 1700mm
 1pc/bag



Model: HS-BI
Medical Pen Type
Electrodes
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-AN
Medical Saddle Shape
Electrodes
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-PZ
Medical Cup
Electrodes
 Wire Length: 100mm
 20pc/bag



Model: HS-SX
3 Pin Connector Cable
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-LX
2 Pin Connector Cable
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-SC
Medical Hand-held
Electrodes
 Wire Length: 1500/1800mm
 1pc/bag



Model: HS-WD
Medical Wrist Strap
Type Electrodes
 Wire Length: 1700mm
 1pc/bag

INSTRUMENTS



NDI-092
EMG & EP system



NDI-093
Portable EMG & EP system



NDI-094
EMG & EP system



NDI-096
NDI-096 IONM series



NDI-096
EMG & EP instrument



NDI-097
Portable EMG & EP system
peripheral neuropathy test



NDI-099
EMG Device



NDI-094-C4
EMG & EP system



PN-NET
Digital Video EEG System

APPLICATION SCENARIOS





POSEIDON MEDICAL

WIN THE MARKET WITH QUALITY

SEEK DEVELOPMENT THROUGH INNOVATION

