Medical Accessories

ZMI Electronics

2025-2026 | medical catalog

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DuraPad®

Neurostimulation Electrodes

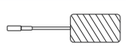
Introduction

Introducing DuraPad® Neurostimulation Electrodes
They are designed for comfort, resilience, endurance, with:

- A durable hydrogel that is 0.75mm thick and has good conformability to body contours
- Highly conductive carbon film for consistent and even current distribution across the whole surface of the electrode
- Longer battery life and more comfortable treatment through effective conductivity and low impedance

Features

- **Biocompatible**
  ISO 10993-1, -5, -10, -17, -18 compliance
- **Low Impedance**
  Great conductivity and comfort
- **Durable**
  With proper care, can be used up to 50 times
- **Various Connector Types**
  Lead wire, Snap Button, Magnetic Button
- **Shelf Life**
  2 years from the date of manufacture, in an unopened pouch.
- **Customized Service**
  Create high-quality custom electrode with ZMI' s assistance
- **Skin Friendly & Odor Free**
  Scientifically tested as safe and non-irritating to patients' skin

Part Number	Image	Shape	Dimensions	Connection	Material	Q'ty
SAE-PC025000WP		Round	ø2.5cm (1")	2mm tail	Non-woven White	4/Pack
SAE-PC050050WP		Square	5x5cm (2x2")	2mm tail	Non-woven White	4/Pack
SAE-PC050090WP		Rectangle	5x9cm (2x4")	2mm tail	Non-woven White	4/Pack
SAE-SC050050WP		Square with tab	5x5cm (2x2")	Snap button	Non-woven White	4/Pack
SAE-SC050090WP		Rectangle with tab	5x9cm (2x4")	Snap button	Non-woven White	4/Pack
SAE-MC050050WP		Square with tab	5x5cm (2x2")	Magnetic button	Non-woven White	4/Pack
SAE-MC050090WP		Rectangle with tab	5x9cm (2x4")	Magnetic button	Non-woven White	4/Pack
SAE-MP050000B		Round with tab	ø5.5cm (2")	Magnetic button	PET	4/Pack
SAE-MP11068B		Butterfly	11x6.8 (4x3")	Magnetic button	PET	2/Pack
SAE-HG01650		Round	ø5.5cm (2")	N/A	Hydrogel	4/Pack
SAE-HG01580		Butterfly	6x4.6 (3x2")	N/A	Hydrogel	2/Pack

Customization

Electrodes |

Shape	Dimensions	Connection	Material	Color
Square Rectangle Round Butterfly	By request	- 2mm tail - Snap button - Magnetic button	Non-woven	White, Beige
			PU fabric	White, Blue, Red and Black With or without Logo
			PET	
By request			Foam	White
			*Customizable with MOQ	

Replaceable Hydrogel Pads |

Shape	Material
Round Butterfly	Hydrogel
By request	

Application

With good skin care and careful storage of the electrodes, they can last up to 50 applications. It is determined by the cleanliness and dryness of users' skin, as well as the precautions taken to prevent the hydrogel from drying out.

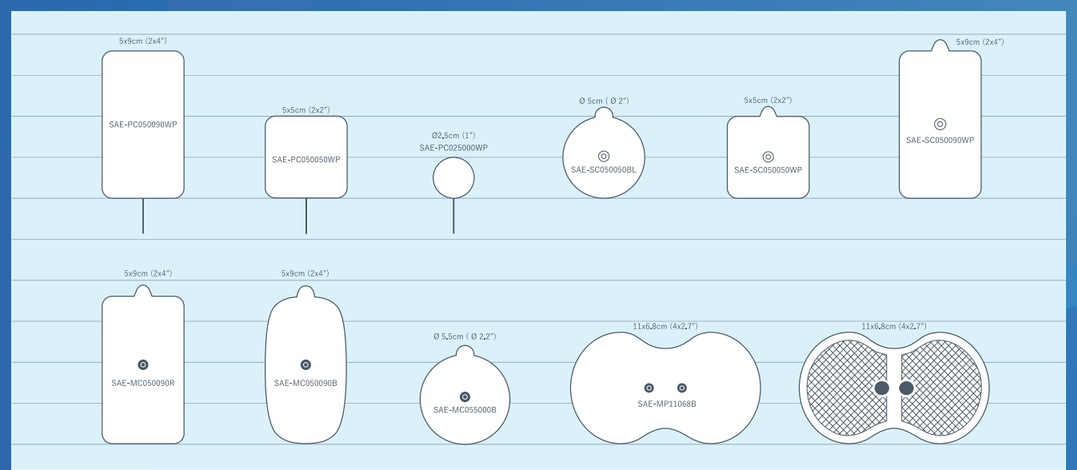
Care |

Skin must be cleansed with soap and water before each electrode application. Any debris on the skin will be transmitted to the electrode's gel, thereby jeopardizing the gel's adhesiveness.

Storage |

To avoid moisture loss, the electrode should be returned to the liner and placed in the original, resealable package after each usage.

Product size chart |



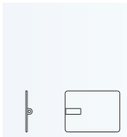
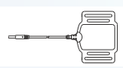
Rubber Electrodes

Introduction

ZMI electrode pads can be used with various electrotherapy devices, and they are customizable in appearance and connectors. Made from soft and biocompatible silicone, their low impedance ensures comfort and effectiveness in every treatment.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Low Impedance**
  Excellent conductivity and comfort with impedance below 50Ω.
- **Durable**
  With proper cleaning and storage, it can be used over 100 times.
- **Various Connector Types**
  Customizable in sizes and connector types.
- **Customized Service**
  For any customization, please contact us!
- **Skin Friendly & Odor Free**
  Made of highly durable, soft and skin friendly silicone.

Part Number	Image	Shape	Dimensions	Connection	Material	Q'ty	
PRU-040060		Rectang e	4x6cm (1.5x2")	2mm aperture	Conductive silicone	100pcs/Set	for SPS-P-070080
PRU-050050		Square	5x5cm (2x2")	2mm aperture	Conductive silicone	100pcs/Set	for SPS-P-070080
PRU-060080		Rectangle	6x8cm (2x3")	2mm aperture	Conductive silicone	100pcs/Set	for SPS-P-080100
PRU-080120		Rectangle	8x12cm (3x5")	2mm aperture	Conductive silicone	100pcs/Set	for SPS-P-100137
PRU-055000R		Round	ϕ5.5cm (2")	2mm aperture	Conductive & Non-conductive silicone	100pcs/Set	
PRU-075000R		Round	ϕ7.5cm (3")	2mm aperture	Conductive & Non-conductive silicone	100pcs/Set	
PRU-095000R		Round	ϕ9.5cm (4")	2mm aperture	Conductive & Non-conductive silicone	100pcs/Set	
LP46-502-xxx		Rectangle with cable	4.4x6.4cm (2x2.5"), w/50cm	2 or 4mm connector	Conductive silicone	2pcs/Set	for SPS-P-070080
LP68-502-xxx		Rectangle with cable	6x8cm (2x3"), w/50cm	2 or 4mm connector	Conductive silicone	2pcs/Set	for SPS-P-080100
LP812-502-xxx		Rectangle with cable	8x12cm (3x5"), w/50cm	2 or 4mm connector	Conductive silicone	2pcs/Set	for SPS-P-100137
LP68B-152-22F		Rectangle with cable	6x8cm (2x3"), w/15cm	2mm female connector	Conductive (black) & Non-conductive (gray) silicone	2pcs/Set	for SPS-S-6080
LP812B-152-22F		Rectangle with cable	8x12cm (3x5"), w/15cm	2mm female connector	Conductive (black) & Non-conductive (gray) silicone	2pcs/Set	for SPS-S-80120

Customization

PRU Series |

Shape	Dimensions	Cable	Connection	Material	Color	Laser Engraving
Square Rectangle Round	By request	Without cable	2mm aperture	Conductive & Non-conductive silicone	Black	By request
By request		Pigtail cable	2mm female connector		*Customizable with MOQ	

LP Series |

Shape	Dimensions	Cable	Connection	Material	Color	Laser Engraving
Square Rectangle Round	By request	Silicone wire Braided wire	2mm / 4mm female connector 4mm banana plug 4mm safety banana plug	Conductive (black) & Non-conductive (gray) silicone	Black and Gray	By request
By request		By request			*Customizable with MOQ	

Application

- Used with conductive gel or sponges, and secured with straps.
- Use for a variety of therapy modes including IFC, TENS, NMES, and more.

Care |

Clean and dry skin before gently applying the electrode to the treatment area.

Storage |

Electrodes should be cleaned and dried after each use to prevent abnormal impedance buildup. Store the electrodes in their resealable bag in a cool, dry place, and avoid exposing the surface to heat and humidity.

Vacuum Cups

Introduction

ZMI vacuum cup electrodes are widely used in various therapeutic fields, including physical therapy, rehabilitation, muscle stimulation, and electrotherapy. They are reliable, efficient, and durable accessories that optimize treatment outcomes while ensuring a comfortable therapeutic experience for users.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Various Connector Types**
  Multiple metal plates and sizes for selection.
- **Durable**
  With proper cleaning and storage, it can be used over 100 times.
- **Low Impedance**
  Excellent conductivity and comfort due to low impedance.
- **Customized Service**
  For any customization, please contact us!
- **Skin Friendly & Odor Free**
  Made of highly durable, soft and skin friendly silicone.

Part Number	Image	Shape	Dimensions	Connection	Material	Q'ty	
VEC-032		Round	ϕ3cm (1")	4mm socket	Non-Conductive silicone cup with stainless steel plate (SUS304/316/316L)	50pcs/Set	for SPS-R-11032
VEC-062		Round	ϕ6cm (2")	4mm socket		50pcs/Set	for SPS-R-11065
VEC-092		Round	ϕ9cm (3.5")	4mm socket		18pcs/Set	for SPS-R-20090

Customization

VEC Series |

Shape	Dimensions	Connection	Material	Color
Round	By request	4mm socket	Non-Conductive silicone cup with stainless steel plate (SUS304/316/316L)	Gray
By request		By request		*Customizable with MOQ

Application

- Use with sponges and vacuum leadwire for therapy.
- Our electrodes securely attach using vacuum suction, without the need for straps or tapes.

Care |

Clean and dry skin before gently applying the electrode to the treatment area.

Storage |

Electrodes should be cleaned and dried after each use to prevent abnormal impedance buildup. Store the electrodes in their resealable bag in a cool, dry place, and avoid exposing the surface to heat and humidity.

Vacuum Leadwire

Introduction

ZMI vacuum leadwires are essential components for our vacuum cup, ensuring a secure and efficient connection to the therapy device.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Various Connector Types**
  Multiple sizes and colors for selection
- **Customized Service**
  For any customization, please contact us!
- **Durable**
  Medical-grade tubing (Strength>10kg; bending >3,000 times)

Part Number	Image	Tube Color	Length	Connection	Material	Q'ty	
VEL-522S		Black	200cm	4mm spring connector	Medical PVC	1pcs/Set	for VEC series
VEL-544S		Red	200cm	4mm spring connector	Medical PVC	1pcs/Set	for VEC series

Customization

VEL Series |

Shape	Length	Connection	Material	Tube Color	Connector Color
Tube	2000mm	4mm spring connector	Medical PVC	Black / Red / Dark Gray / Light Gray	Black / Red / Blue / White
	By request			*Customizable with MOQ	*Customizable with MOQ

Application

- Use with vacuum cups for therapy.

Care |

Use a specialized commercial product designed specifically for surface disinfection and cleaning of non-invasive medical devices.

Storage |

Clean and dry leadwires after each use and store them in a clean, dry container.

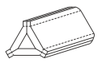
Medical Sponge Electrodes

Introduction

ZMI's sponges have optimal water content when dampened, aiding in even distribution of electrical current, comfort, and reducing the discomfort of electrical stimulation. We provide a variety of sponge types to complement rubber electrodes, vacuum cups, and even electrode pens.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Various Connector Types**
  Multiple shapes and sizes for selection.
- **Customized Service**
  For any customization, please contact us!

Part Number	Image	Shape	Dimensions	Material	Q'ty	
SPS-R-11032		Round	ϕ3.2cm (1") without hole		4pcs/Set	for VEC-032
SPS-R-11065		Round	ϕ6.5cm (2.5") with 4 holes	Cellulose sponge (Compressed / Decompressed)	4pcs/Set	for VEC-062
SPS-R-20090		Round	ϕ9cm (3.5") with 4 holes		4pcs/Set	for VEC-092
SPS-P-070080		Rectangle	7x8cm, (3x3") Single Pocket Sponge	Sponge cloth (Pocket)	4pcs/Set	for 4x6cm electrode
SPS-P-080100		Rectangle	8x10cm, (3x4") Single Pocket Sponge	Sponge cloth (Pocket)	4pcs/Set	for 6x8cm electrode
SPS-P-100137		Rectangle	10x13.7cm, (4x5") Single Pocket Sponge	Sponge cloth (Pocket)	4pcs/Set	for 8x12cm electrode
SPS-O-01		Round	ϕ3cm (1")	Sponge cloth (Pocket)	10pcs/Set	for OTH-01-03
SPS-O-02		Triangle	2.3xL4cm (1x1.5")	Sponge cloth (Pocket)	10pcs/Set	for OTH-01-03
SPS-S-6080		Strap	Tailored for Easy-Fix Electrodes	Sponge cloth (Pocket)	2pcs/Set	for LP68B series
SPS-S-80120		Strap	Tailored for Easy-Fix Electrodes	Sponge cloth (Pocket)	2pcs/Set	for LP812B series

Customization

Sponge Series |

Shape	Dimensions	Material
Square Rectangle By request	By request	Sponge cloth (Pocket) Cellulose sponge (Compressed / Decompressed)

Color	Optional service
Yellow	Gamma irradiation for extended shelf life

Care |

Clean and dry skin before gently applying the electrode to the treatment area.

Storage |

Sponges can be disinfected by immersing them in soap water or 70% alcohol solution. Dry sponges before storing them in a clean, dry container.

Application

- Cellulose sponge (Compressed / Decompressed) : Used with vacuum cup electrodes.
- Sponge cloth (Pocket) : Designed for silicone rubber electrodes.
- Sponges for Electrode Pens : Specially designed for electrode pens.

Elastic Straps / Pen Electrode

Introduction

- ZMI straps are reusable, washable, and offer exceptional elasticity for optimal functionality.
- Solution for treating precise body parts.

Features

- **Skin Friendly & Odor Free**
  Made of hypoallergenic materials that are soft and gentle on the skin.
- **Various Connector Types**
  Multiple sizes, colors, and materials for selection.
- **Durable**
  Durable and resistant to wear, with strong tensile strength.
- **Customized Service**
  For any customization, please contact us!

Part Number	Shape	Dimensions	Connection	Material
STR-76610BG	Rectangle	7.6x61cm (3"x24")	Velcro	Nylon
STR-76914BG	Rectangle	7.6x91.4cm (3"x36")	Velcro	Nylon
STR-761220BG	Rectangle	7.6x122cm (3"x48")	Velcro	Nylon
OTH-01-03	Ball point Disc	ϕ8mm ϕ15mm	4mm female receptacle	Pen:Silicone sleeve Electrode: Stainless steel

Customization

Pen Electrode |

Shape	Dimensions	Pen Length	Connection	Material
Ball point Disc	ϕ8mm ϕ15mm	125mm	4mm female receptacle	Pen:Silicone sleeve Electrode: Stainless steel

Elastic Straps |

Shape	Dimensions	Connection	Material	Color
Rectangle	By request	Velcro	Nylon (OK fabric) OEKO-TEX certified	White / Beige(skin color)
By request			By request	*Customizable with MOQ

Application

- Velcro straps secure electrodes to the treatment area.
- Intended Use: Motor Point Trigger

Care |

Clean and dry the skin before applying the strap to the treatment area.

Storage |

Clean and dry straps after each use and store them in a clean, dry container.

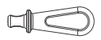
Vaginal / Rectal Probe

Introduction

ZMI Vaginal/Rectal Probes are ergonomically designed and compatible with most muscle stimulators. They are made from biocompatible PC, ensuring resistance to high temperatures and sterilizability for repeated use. Thorough safety testing has confirmed our probes' safety and suitability for urinary and fecal incontinence applications.

Features

- **Biocompatible**
  ISO10993-1, -5, -10, -17, -18, -23 compliant
- **Durable**
  Capable of withstanding hot water disinfection at temperatures exceeding 100°C up to 100 cycles without plastic deformation, cracking, or rust.
- **Various Connector Types**
  Multiple probe options to optimize therapy effectiveness.
- **Customized Service**
  For any customization, please contact us!
- **Skin Friendly & Odor Free**
  Made of medical-grade PC that is skin-friendly.
- **Shelf Life**
  36 months from the date of sterilization, in an unopened pouch.
- **Clean & Safe**
  Sterilizable and Reusable - Ready to Use Upon Opening

Part Number	Image	Shape	Electrode type	Dimensions	Connection	Material	Q'ty
PFR-01		Vaginal Probe (Droplet)	Bipolar	ϕ3.16xL9.5cm (1.2x3.7")	2mm pig tail/ Din connector/ Type C	Medical PC, Stainless steel	1pcs/Set
PFR-02		Rectal Probe (Long & Thin)	Bipolar	ϕ1.2xL12.3cm (0.5x5")			1pcs/Set
PFR-03		Rectal Probe (Short & Thin)	Bipolar	ϕ1.2xL9cm (0.5x3.5")			1pcs/Set
PFR-04		Rectal Probe (Long & Thick)	Bipolar	ϕ2.5xL12.5cm (1x5")			1pcs/Set
PFR-05		Rectal Probe (Short & Thick)	Bipolar	ϕ2.5xL10cm (1x4")			1pcs/Set
PFR-06		Rectal Probe (Long & Thick)	Tripolar	ϕ2.5xL12.5cm (1x5")			1pcs/Set
PFR-07		Rectal Probe (Short & Thick)	Tripolar	ϕ2.5xL10cm (1x4")			1pcs/Set
PFR-08		Oval Probe (Compact)	Bipolar	ϕ3.4xL8cm (1.3x3")			1pcs/Set
PFR-09		Oval Probe (Hollow)	Bipolar	ϕ3.4xL10cm (1.3x4")			1pcs/Set
PFR-10		Cone Probe	Bipolar	ϕ2.8xL7cm (1x3")			1pcs/Set

Customization

Probe |

Shape	Dimensions	Cable Connection	Material	Packaging
Vaginal & Rectal Probe	10 types	2mm pig tail/ Din connector/ Type C By Request	Medical PC, Stainless steel	Sterile / Non-sterile

Application

- Efficiently stimulates, relaxes, and tones pelvic floor muscles.
- Targets both urinary and fecal incontinence
- Suitable for various types of incontinence, including stress, urge, and mixed cases.
- Easy installation and detachment
- Suitable for all stimulation current devices with 2 mm jack connections.

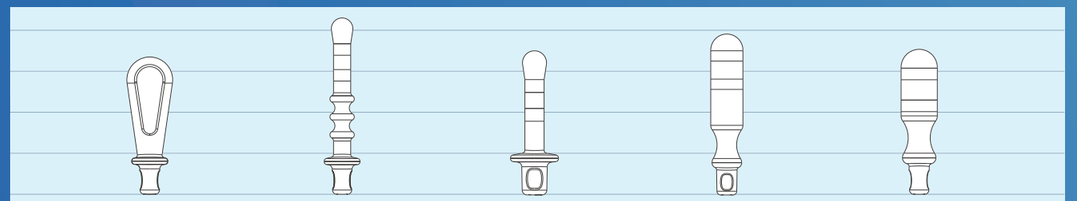
Care |

Before cleaning, disconnect the probe cable. Hand wash the probe in warm water using mild soap or a neutral detergent (pH around 7.0) to remove all visible dirt. Clean the crevices around the stainless-steel electrode with a soft bristle brush and then thoroughly rinse the probe with potable water. Our probe can also be sterilized using a high-pressure autoclave or by boiling in water exceeding 100°C.

Storage |

After cleaning the probe, place it on a clean, soft, lint-free cloth, allowing it to air dry completely before storage.

Product size chart |



Electrode Leadwires

Introduction

ZMI medical wires excel in quality, reliability, and safety, making them the preferred choice for various medical applications. Our wide lead wire options are compatible with various medical devices, and we offer customized solutions to meet diverse usage requirements.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Durable**
  Strict management and quality control procedures, including basic durability tests & performance tests.
- **Customized Service**
  For any customization, please contact us!
- **Various Connector Types**
  Multiple connector options are offered for the end connecting to the medical device and the end attaching to the electrode pads, including various sizes, colors, and adapters.

Part Number	Image	Tube Color	Length	Connection	Cable	Q'ty
WPC-212		Black and Red	200cm	5 pin Din / ϕ4mm safety male plug*4	Single-ϕ5.2mm Spares-ϕ3.5mm	4pcs/Set
WPC-239		Black	220cm	ϕ6.3mm stereo plug / 2mm pin*2	Double-bonded copper foil wire	1pcs/Set

Customization

Electrode Leadwires |

Shape	Cable	Device Connection	Electrode Connection	Color
By request	By request	Audio connector Safety connector Din standard	Button Magnetic Din plug	Black Red
		By request	By request	By request

Application

- Designed for physical therapy and rehabilitation applications.
  Compatible with various electrode types and electrical stimulation devices.

Care |

Use a specialized commercial product designed specifically for surface disinfection and cleaning of non-invasive medical devices.

Storage |

Clean and dry leadwires after each use and store them in a clean, dry container.

Nurse Call Cable

Introduction

ZMI medical wires excel in quality, reliability, and safety, making them the preferred choice for various medical applications. Our wide lead wire options are compatible with various medical devices, and we offer customized solutions to meet diverse usage requirements.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Durable**
  Strict management and quality control procedures, including basic durability tests & performance tests.
- **Customized Service**
  For any customization, please contact us!
- **Various Connector Types**
  Multiple connector and switch options for selection.

Part Number	Image	Tube Color	Length	Connection	Material	Q'ty	Switch
WPC-264-HL		Black	90cm	ϕ6.3mm mono plug	Insulated PU coil cable	1pcs/Set	Normally closed
WPC-263-HL		Black	180cm	ϕ5.5mm DC plug	Insulated PVC cable	1pcs/Set	Normally closed

Customization

Nurse Call Cable |

Shape	Cable	Connection	Color	Switch
By request	Straight Cable Coil Cable	ϕ3.5mm mono plug ϕ5.2mm stereo plug ϕ6.3mm mono/stereo plug	Black	Normally closed Normally opened
	By request	By request	By request	

Application

- Allowing patients to press a button to stop and call medical personnel in case of emergencies.

Care |

Use a specialized commercial product designed specifically for surface disinfection and cleaning of non-invasive medical devices.

Storage |

Clean and dry leadwires after each use and store them in a clean, dry container.

Ultrasonic Cables

Introduction

ZMI medical wires excel in quality, reliability, and safety, making them the preferred choice for various medical applications. Our wide lead wire options are compatible with various medical devices, and we offer customized solutions to meet diverse usage requirements.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Durable**
  Strict management and quality control procedures, including basic durability tests & performance tests.
- **Customized Service**
  For any customization, please contact us!
- **Various Connector Types**
  Multiple cable material and length options for selection.
- **Impedance**
  48Ω / 50Ω / 75Ω / 150Ω

Part Number	Image	Tube Color	Length	Connection	Cable	Q'ty
WPC-233A		Black	190cm	8 pin lumberg lock connector (SV80)	ϕ6mm 11+1 braids	1pcs/Set

Customization

Ultrasonic Cables |

Shape	Cable	Probe Connection	Connection	Color	Impedance
By request	1900mm	By request	DIN / RG58 / CFD200 BNC RF connectors	Black	48Ω / 50Ω / 75Ω / 150Ω
	By request		By request	By request	By request

Application

- Compatible with ultrasound therapy devices.

Care |

Use a specialized commercial product designed specifically for surface disinfection and cleaning of non-invasive medical devices.

Storage |

Clean and dry leadwires after each use and store them in a clean, dry container.

Shortwave Cable

Introduction

ZMI medical wires excel in quality, reliability, and safety, making them the preferred choice for various medical applications. Our wide lead wire options are compatible with various medical devices, and we offer customized solutions to meet diverse usage requirements.

Features

- **Biocompatible**
  ISO10993-1, -5, -10 compliant
- **Durable**
  Strict management and quality control procedures, including basic durability tests & performance tests.
- **Customized Service**
  For any customization, please contact us!
- **Various Connector Types**
  Multiple material options for selection.
- **Impedance**
  48Ω / 50Ω / 75Ω / 150Ω

Part Number	Image	Tube Color	Length	Connection	Cable	Q'ty	
SW-120		Gray	120cm	ODU connector / 6.1mm female connector	High voltage (600V) internal cable Insulated EPDM tubing	1pcs/Set	Fitting ODU connector on SWE-120180

Customization

Shortwave Cable |

Shape	Cable	Connection	Material	Impedance
By request	By request	ODU connector / 6.1mm female connector	High Voltage Silicone Rubber / EPDM Foam / RG58 / CFD200BNC	48Ω / 50Ω / 75Ω / 150Ω
		By request	By request	By request

Application

- Compatible with shortwave diathermy devices.

Care |

Use a specialized commercial product designed specifically for surface disinfection and cleaning of non-invasive medical devices.

Storage |

Clean and dry leadwires after each use and store them in a clean, dry container.

ZMI Electronics

CERTIFICATION

ISO13485 EU Medical Device Quality Management System
MDSAP Medical Device Single Audit Plan (CA, US, AU, JP, BZ)
USA FDA 21CFR820 Quality System Compliance
Taiwan QMS (Quality Management System)

REGISTRATION

EUDAMED CE (SRN: TW-MF-000003571 NB2460 DNV)
Health Canada MDL (ID:124828)
US FDA Registration (ID:9617486)
Taiwan FDA Registration (ID: QMS0233)