



# **ELECTROSURGICAL NEUTRAL ELECTRODE**

**(PATIENT RETURN ELECTRODE)**

# Grounding Pads

## Electrosurgery

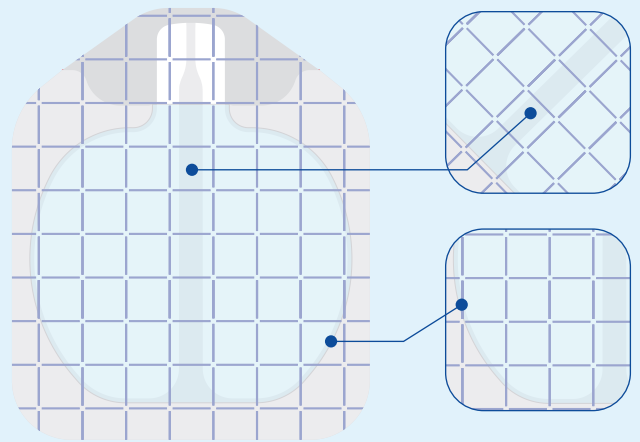
Electrosurgery involves the use of alternating current (AC). The current enters the body and returns by the easiest route, normally by a grounding plate. In electrosurgery, the electrosurgical generator provides the source of voltage and current flow. To complete the circuit a grounding plate (also known as a neutral, return or dispersive plate), an active electrode and the patient effectively combine to complete the circuit. The grounding plate is simply used to complete the electrical circuit. Obviously, one does not want to burn the patient at this second, non-treatment site. The area of this electrode is therefore made very large (compared to the active electrode) so that the current that flows through a large area of skin does not meet too much resistance, and does not result in a significant increase in temperature. Because this electrode has to be very large and must make good contact with the skin, it must be placed over a large area of skin on a 'smooth' body site.

Medico Electrosurgical Neutral Electrodes are for single use and come with soft, flexible non-permeable polyethylene foam backing. The skin- friendly soft conductive adhesive hydrogel designed to improve contact quality ensures a very low heat build-up on the skin.

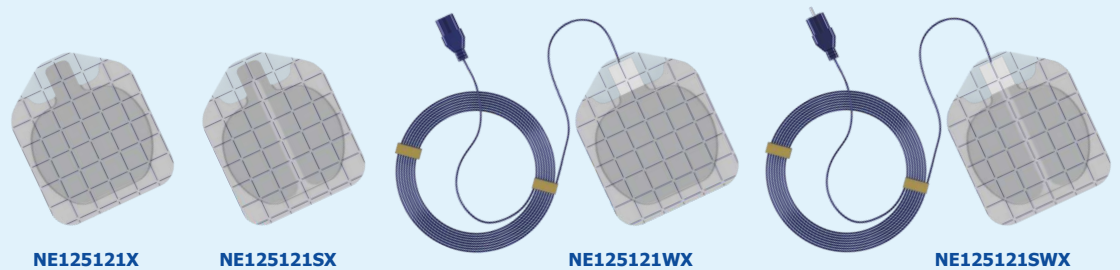
These Electrodes are for universal applications i.e. for both adults and pediatric patients and come integrated with or without pre-attached lead wire.

## Xtra Gel

This unique overlapping gel technology minimizes the risk of burns due to elimination of aluminum edge exposure.



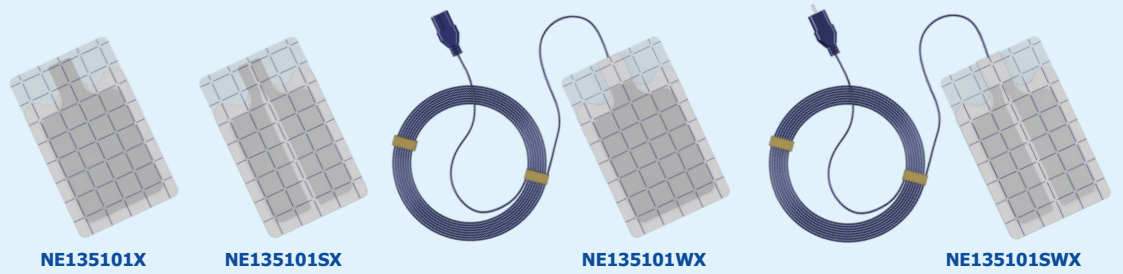
## Variants:



Details				
Reference	NE125121X	NE125121SX	NE125121WX	NE125121SWX
Dimensions	125 x 121 mm	125 x 121 mm	125 x 121 mm	125 x 121 mm
Total Adhesive Area	140 cm <sup>2</sup>	140 cm <sup>2</sup>	140 cm <sup>2</sup>	140 cm <sup>2</sup>
Conductive Area	91 cm <sup>2</sup>	91 cm <sup>2</sup>	91 cm <sup>2</sup>	91 cm <sup>2</sup>
Backing Material	PE Foam	PE Foam	PE Foam	PE Foam
Cable Type	-	-	REM Connector	CQM compatible REM Connector
Cable Length	-	-	3 meters or 5 meters	3 meters or 5 meters
Packaging Configuration	A	A	B	B



**Adult (>15 kgs) or  
Pediatric (5-15 kgs)**



**NE135101X**

**NE135101SX**

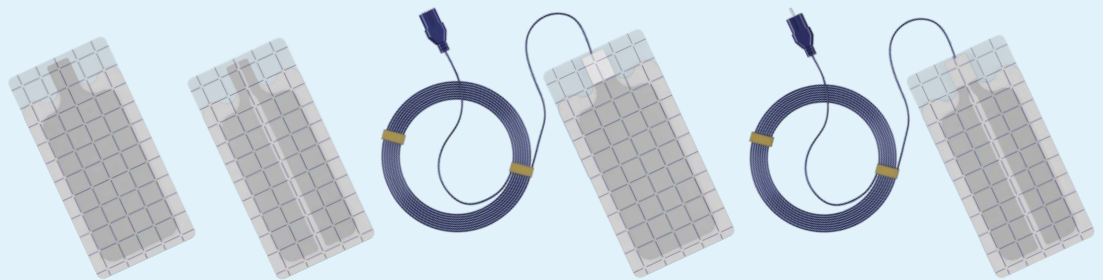
**NE135101WX**

**NE135101SWX**



**Pediatric (5-15 kgs)**

Details				
Reference	<b>NE135101X</b>	<b>NE135101SX</b>	<b>NE135101WX</b>	<b>NE135101SWX</b>
Dimensions	135 x 101.5 mm	135 x 101.5 mm	135 x 101.5 mm	135 x 101.5 mm
Total Adhesive Area	134 cm <sup>2</sup>	134 cm <sup>2</sup>	134 cm <sup>2</sup>	134 cm <sup>2</sup>
Conductive Area	97 cm <sup>2</sup>	97 cm <sup>2</sup>	97 cm <sup>2</sup>	97 cm <sup>2</sup>
Backing Material	PE Foam	PE Foam	PE Foam	PE Foam
Cable Type	-	-	REM Connector	CQM compatible REM Connector
Cable Length	-	-	3 meters or 5 meters	3 meters or 5 meters
Packaging Configuration	A	A	B	B



**NE189106X**

**NE189106SX**

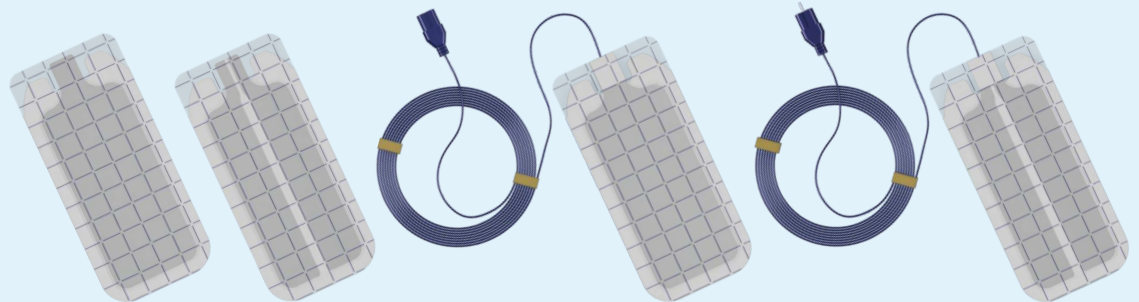
**NE189106WX**

**NE189106SWX**



**Adult (>15kgs)**

Details				
Reference	<b>NE189106X</b>	<b>NE189106SX</b>	<b>NE189106WX</b>	<b>NE189106SWX</b>
Dimensions	189 x 106 mm	189 x 106 mm	189 x 106 mm	189 x 106 mm
Total Adhesive Area	197 cm <sup>2</sup>	197 cm <sup>2</sup>	197 cm <sup>2</sup>	197 cm <sup>2</sup>
Conductive Area	141 cm <sup>2</sup>	141 cm <sup>2</sup>	141 cm <sup>2</sup>	141 cm <sup>2</sup>
Backing Material	PE Foam	PE Foam	PE Foam	PE Foam
Cable Type	-	-	REM Connector	CQM compatible REM Connector
Cable Length	-	-	3 meters or 5 meters	3 meters or 5 meters
Packaging Configuration	A	A	B	B



**NE217105X**

**NE217105SX**

**NE217105WX**

**NE217105SWX**

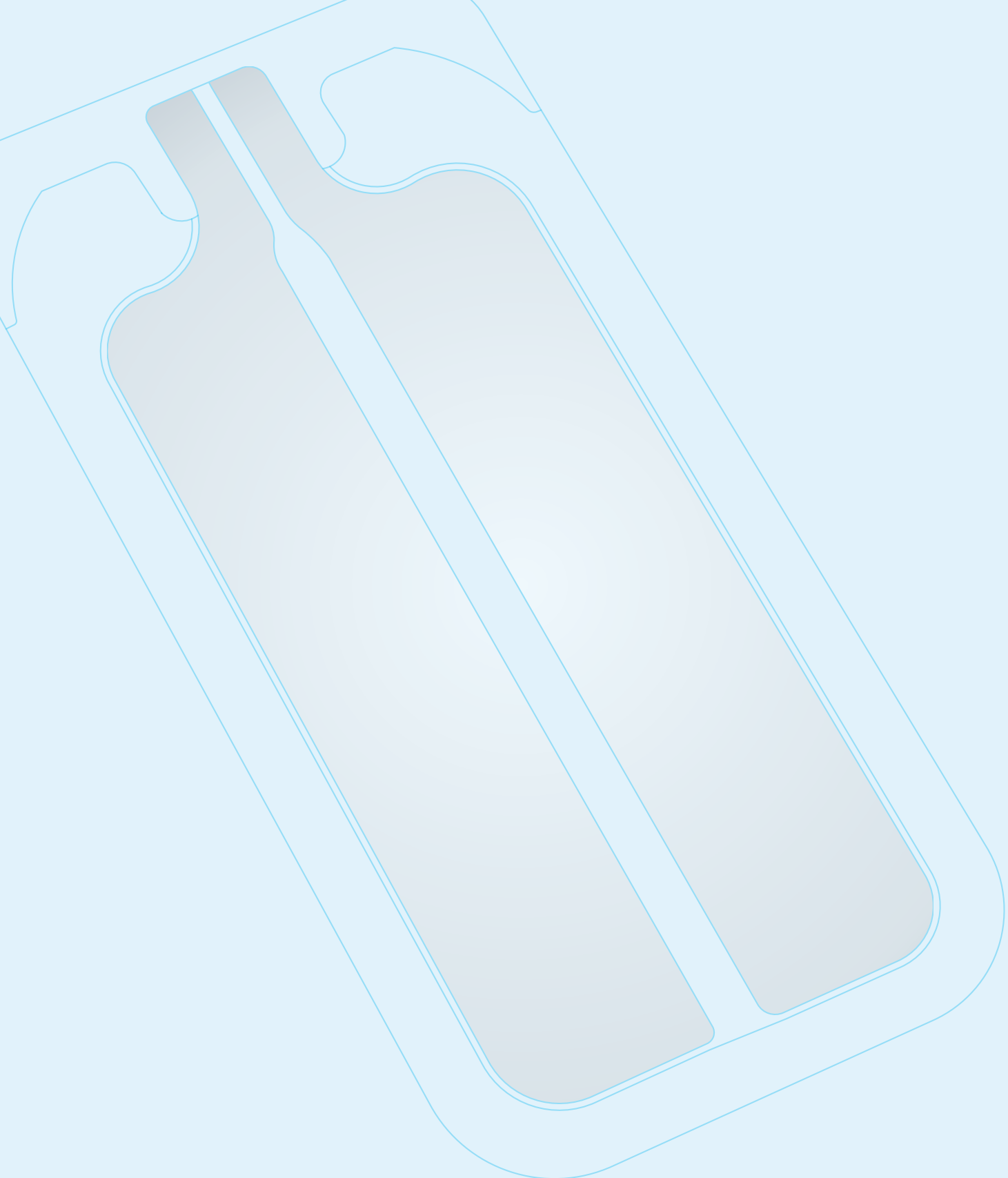


**Adult (>15kgs)**

Details				
Reference	<b>NE217105X</b>	<b>NE217105SX</b>	<b>NE217105WX</b>	<b>NE217105SWX</b>
Dimensions	217 x 105 mm	217 x 105 mm	217 x 105 mm	217 x 105 mm
Total Adhesive Area	215 cm <sup>2</sup>	215 cm <sup>2</sup>	215 cm <sup>2</sup>	215 cm <sup>2</sup>
Conductive Area	153 cm <sup>2</sup>	153 cm <sup>2</sup>	153 cm <sup>2</sup>	153 cm <sup>2</sup>
Backing Material	PE Foam	PE Foam	PE Foam	PE Foam
Cable Type	-	-	REM Connector	CQM compatible REM Connector
Cable Length	-	-	3 meters or 5 meters	3 meters or 5 meters
Packaging Configuration	A	A	B	B

**Packaging Configuration:**

	Pads per Pouch	Pads per Inner Box	Pads per Outer Box
<b>A</b>	1 or 5	100	400
<b>B</b>	1	50	200



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