NEUROLOGY PORTFOLIO



Ambu

Ambu® Neurology Catalogue

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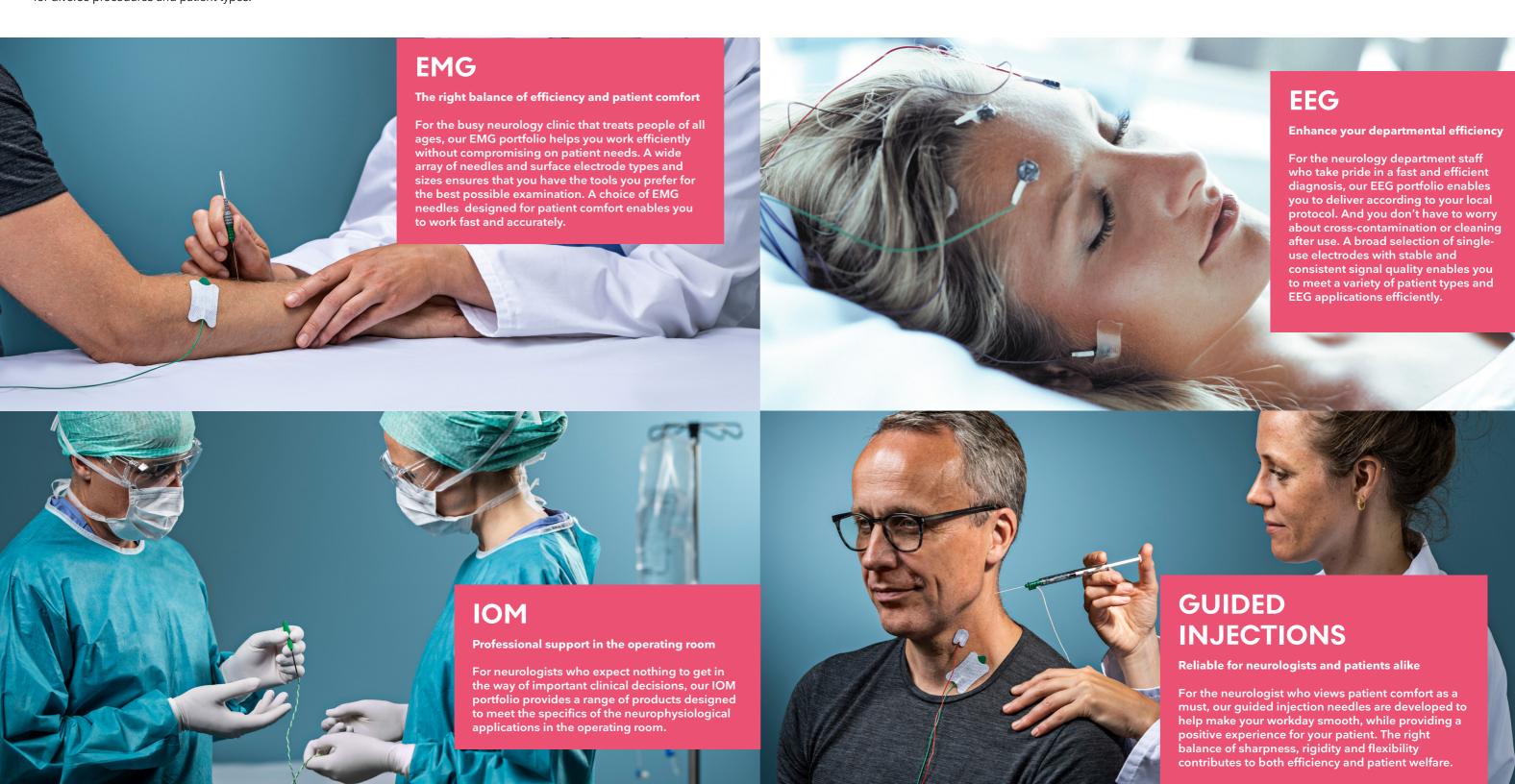
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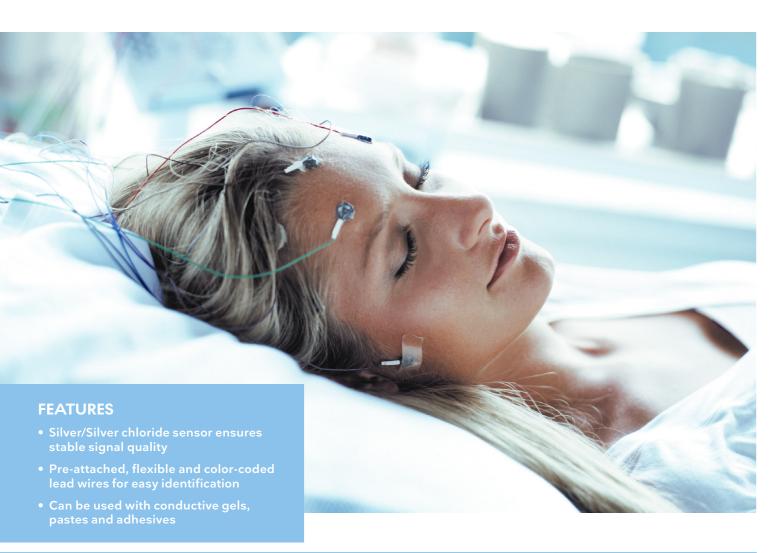
DISCOVER THE BENEFITS OF THE AMBU NEUROLOGY PORTFOLIO

Explore the details, features and advantages of a wide range of quality single-use patient monitoring and diagnostics products for diverse procedures and patient types.



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EEG / EP / PSG





Item no.	Lead wire length		Color configuration
72610-M/10	100	40	
72615-M/10	150	60	1 1 1 1 1 1 1 1 1 1 1 1 1
72620-M/10	200	80	
72610-M/15	100	40	
72615-M/15	150	60	2 1 1 1 1 1 1 1 1 2 2
72620-M/15	200	80	
72610-M/23	100	40	
72615-M/23	150	60	2 2 2 2 2 2 2 2 2 1 2
72620-M/23	200	80	_
72610-M/25	100	40	
72615-M/25	150	60	2 2 2 2 2 2 2 2 2 3
72620-M/25	200	80	
72610-M/27	100	40	
72615-M/27	150	60	3 2 2 2 2 2 2 2 2 3 3
72620-M/27	200	80	

72610-M/10

Product Wire length

- Connector
- Electrodes in pouch

Ambu[®] Neuroline™ Cup electrode is single-patient use to minimize the risk of bacterial cross-contamination and to enhance departmental efficiency.

The cup electrodes are available in a variety of patient-ready packaging configurations.

FEATURES

- repositionable, self-adhesive, solid gel electrodes with minimum skin irritation.

Ambu [®] Neuroline™ 700	Item no.	Lead wire	e length	Color configuration
	70001-K/12	10	4	0
	70001-SC/12	10	4	0
	70002-K/12	20	8	0
	70002-SC/12	20	8	0
3333333	70005-K/12	40	20	0
8008888	70010-J/12	100	40	0
⊗\⊗	70010-K/12	100	40	0
	70010-K/C/12	100	40	
,	70015-K/12	150	60	0
	70015-K/C/12	150	60	
	70020-K/C/4	200	80	
Ambu [®] Neuroline™ 710	Item no.	Lead wir	e length	Color configuration
		cm	inch	
	71001-SC/12	10	4	0
	71002-SC/12	20	8	0
	71005-K/12	50	20	0
	71005-K/C/12	50	20	
	71010-J/12	100	40	0
· · · · · · · · · · · · · · · · · · ·	71010-K/12	100	40	0
1	71015-K/12	150	60	\circ
	71015-K/C/12	150	60	• • •
Ambu® Neuroline™ 720	Item no.	Lead wir		Color configuration
		cm	inch	
	72001-K/12	10	4	O
	72001-SC/12	10	4	O
	72010-K/10	100	40	0
10231	72010-K/C/12	100	40	
	72010-M/C/10	100	40	
	72015-J/10	150	60	O
	72015-K/10	150	60	0
	72015-K/C/12	150	60	
7	72020-K/C/12	200	80	
	72000-S/25	-	-	-

71005-K/C/12 • Product

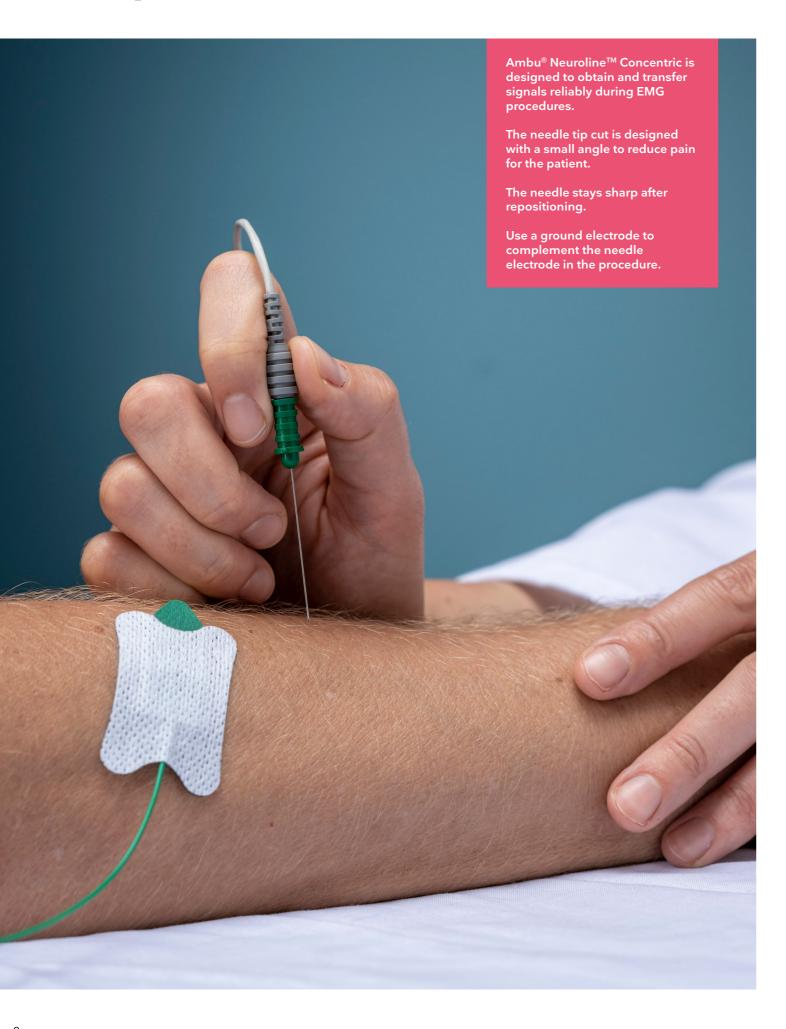
Color kit

Wire length

Connector

Electrodes in pouch

EMG/NCS-CONCENTRIC



FEATURES

- Silicone coating reduces friction when inserting and moving the needle in the target area
- Color-coded hub with precision grip to

Ambu® Neuroline™ Concentric	Item no.	Length		Diamet	ter	Sensor area	Cable	Color
					gauge			
	74025-30/25	25	1	0.30	30G	0.02	Item: 1741/1742	
	74025-45/25	25	1	0.45	26G	0.07	Item: 1741/1742	
	74030-35/25	30	1.2	0.36	28G	0.02	Item: 1741/1742	
	74038-45/25	38	1.5	0.45	26G	0.07	Item: 1741/1742	
	74050-45/25	50	2	0.45	26G	0.07	Item: 1741/1742	
	74075-65/25	75	3	0.64	23G	0.07	Item: 1741/1742	



74025-30/25

• Product • Needle length • Needle diameter • Units per inner box

FEATURES

- Ambu® Neuroline™ Ground is a 48x30 mm repositionable, selfadhesive solid gel electrode

Ambu [®] Neuroline™ Ground (714)	ltem no.	Lead v	vire length	Color config	uration	
	71410-M/1	100	40			
	71415-M/1	150	60			
	71425-M/1	250	100			
	71410-M/1	• Pr	oduct	• Wire length	• Connector	• Electrodes in pouch



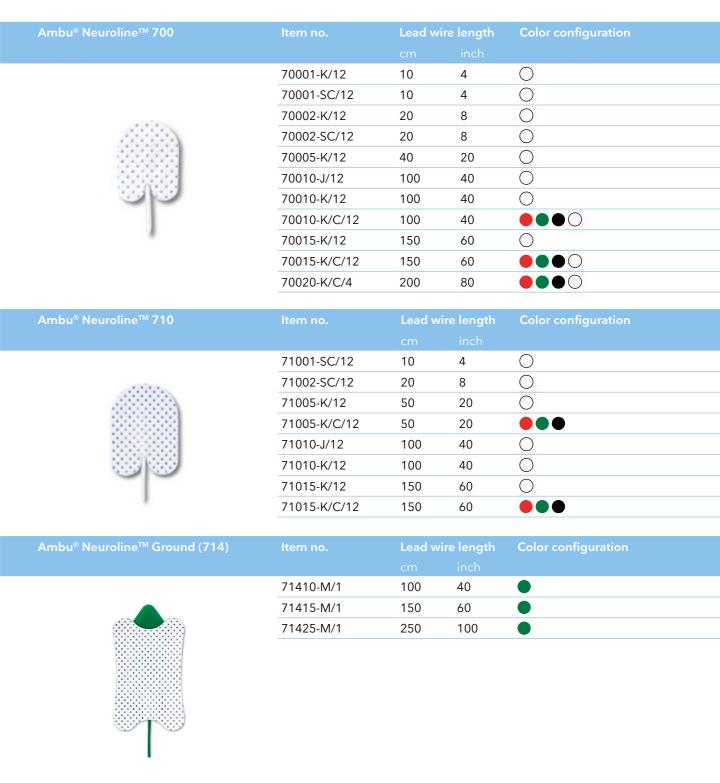
Some configurations may not be available worldwide

EMG/NCS - MONOPOLAR



Ambu® Neuroline™ Monopolar	Item no.	Length		Diame	eter	Cable/Lead wire	Color
					gauge		
	74225-36/40	25	1	0.35	29G	Item: 1744	
	74238-36/40	38	1.5	0.35	29G	Item: 1744	
	74238-45/40	38	1.5	0.45	26G	Item: 1744	•
	74250-45/40	50	2	0.45	26G	Item: 1744	
	74275-50/40	75	3	0.50	25G	Item: 1744	
	74325-36/40*	25	1	0.35	29G	*76 cm (30")	
	74338-36/40*	38	1.5	0.35	29G	*76 cm (30")	
	74338-45/40*	38	1.5	0.45	26G	*76 cm (30")	
	74350-45/40*	50	2	0.45	26G	*76 cm (30")	
	74375-50/40*	75	3	0.50	25G	*76 cm (30")	
	74225-36/40	Product • Ne	edle leng	gth ∙N	eedle dian	neter • Units per ir	nner box

*Pre-attached lead wire





Lead w	rire length	Color configuration
50	20	
80	32	
120	48	
200	80	•••
	50 80 120	50 20 80 32 120 48

71005-K/C/12

Product

Wire length

Connector

Color kit

Electrodes in pouch

EMG-GUIDED INJECTIONS



• Silicone coating reduces friction when inserting and

• Compatible with a Luer-Lock fitting to provide a

Color-coded hub with precision grip to assist the

moving the needle in the target area

Ambu[®] Neuroline™ Inoject gives you the reliability you need for the injection of **Botulinum Toxin.**

The needle tip cut is designed with a small angle to reduce the penetration force, while providing a sufficient sensor area for a suitable impedance level.

Use ground electrodes and reference electrodes as needed to complement the needle in the procedure.



- repositionable, self-adhesive, solid gel Offered in two sizes: 20x15 mm and
- solid gel electrode. It offers a convenient

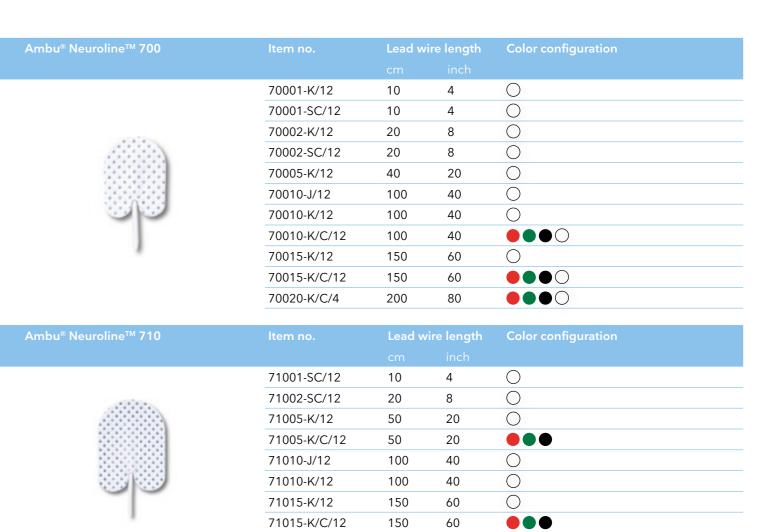
- release tab for removal of the electrode
- backing for visually guided placement

Ambu [®] Neuroline™ Inoject	ltem no.	Length		Diame	ter	Lead wire	Color
					gauge		
	74425-30/10	25	1	0.30	30G	* 76 cm (30")	
1	74430-36/10	30	1.2	0.36	28G	* 76 cm (30")	
	74435-40/10	35	1.4	0.40	27G	* 76 cm (30")	
	74438-45/10	38	1.5	0.45	26G	* 76 cm (30")	
	74450-50/10	50	2	0.50	25G	* 76 cm (30")	
	74475-55/10	75	3	0.55	24G	* 76 cm (30")	

^{*}Pre-attached lead wire

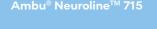
74425-30/10

Product
 Needle length
 Needle diameter
 Units per inner box





ltem no.	Lead wire length		Color configuration
71410-M/1	100	40	
71415-M/1	150	60	•
71425-M/1	250	100	•





Item no. Lead wire length		Color configuration
50	20	
80	32	
120	48	•••
200	80	•••
	50 80 120	cm inch 50 20 80 32 120 48

71005-K/C/12

Product

Wire length

Connector

Color kit

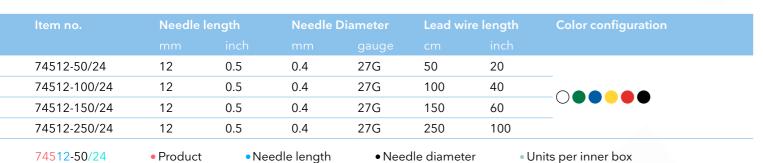
Electrodes in pouch

FEATURES

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IOM - INTRAOPERATIVE MONITORING

Ambu® Neuroline™ Subdermal





Ambu® Neuroline™ Twisted Pair Subdermal

ltem no.	Needle le	ength	Needle D	Diameter	Lead wire	length	Color configuration
				gauge			
74612-100/1/20	12	0.5	0.4	27G	100	40	
74612-150/1/20	12	0.5	0.4	27G	150	60	
74612-200/1/20	12	0.5	0.4	27G	200	80	••••• 0000
74612-250/1/20	12	0.5	0.4	27G	250	100	
74612-100/2/20	12	0.5	0.4	27G	100	40	
74612-150/2/20	12	0.5	0.4	27G	150	60	•••••
74612-200/2/20	12	0.5	0.4	27G	200	80	
74612-250/2/20	12	0.5	0.4	27G	250	100	
74612-0/24	Product	• Ne	edle length	• Need	dle diameter	• (Jnits per inner box



Ambu® Subdermal Corkscrew

Item no.	Lead wire length		Color configuration
74715-60/24	120	47	
74720-60/24	200	79	
74725-60/24	250	98	-



Ambu® Subdermal Twisted Pair Corkscrew

Item no.	Lead wire l	ength	Color configuration
74812-60/12	120	47	
74820-60/12	200	79	
74825-60/12	250	98	

Ambu® Subdermal Hooked Needle



ltem no.	Lead wire	length	Color configuration		
74912-120/24	120	47			
74912-200/24	200	79	\bigcirc		
74912-250/24	250	98	_		

Ambu[®] Subdermal Curved Needle



ltem no.	Lead wire lengt	h Color configuration
	cm inch	
75021-150/25	150 59	
75021-200/25	200 79	

Ambu® Probes



ltem no.	Туре	Lead wire	e length	Color configuration
73605-190/1	Triple hooked	190	74.8	$\bigcirc lackbox{lack}$
73604-190/1	Double hooked	190	74.8	$\bigcirc lackbox{lack}$
73603-190/10	Concentric	190	74.8	$\bigcirc lackbox{lack}$
73602-190/10	Bipolar	190	74.8	$\bigcirc lackbox{lack}$
73601-190/10	Monopolar	190	74.8	•
73600-190/10	Pedicle screw	190	74.8	•

PRODUCT AND APPLICATION OVERVIEW

PRODUCT CATEGORY	PRODUCT	EMG	NCS	EMG GUIDED INJECTION	EEG	EP	PSG	ІОМ	ELECTRODE DESIGN			KEY BENEFITS
Cup Electrodes	Ambu® Neuroline™ Cup				х	х	х		Cup diameter: 10 mm Lead wire length: 100, 150, 200 cm	Silver/Silver chloride	M-connector	Silver/Silver chloride sensor ensures stable signal quality Flexible and color-coded lead wires for easy identification
Needle Electrodes	Ambu® Neuroline™ Concentric	х							Length: 25, 25, 30, 38, 50, 75 mm Diameter: 0.3-0.64 mm (30G-23G) Cable length: 100, 200 cm	Silver	Cable 1741/1742 DIN 60130-9	Needle tip cut designed with a small angle to reduce pain The needle stays sharp after repositioning
Needle Electrodes	Ambu® Neuroline™ Monopolar	Х							Length: 25, 38, 38, 50, 75 mm Diameter: 0.35-0.50 mm (29G-25G) Cable length: 76 cm	Stainless steel	Cable 1744 M-connector	The needle tip is designed to reduce the penetration force Silicone coating reduces friction
Needle Electrodes	Ambu® Neuroline™ Monopolar w. pre-attached lead wire	х							Length: 25, 38 38, 50, 75 mm Diameter: 0.35-0.50 mm (29G-25G) Lead wire length: 76 cm	Stainless steel	K-connector	The needle tip is designed to reduce the penetration force Silicone coating reduces friction
Needle Electrodes	Ambu® Neuroline™ Inoject			х					Length: 25, 30, 35, 38, 50, 75 mm Diameter: 0.3-0.55 mm (30G-24G) Lead wire length: 76 cm	Stainless steel	K-connector	The needle tip is designed to reduce the penetration force Silicone coating reduces friction
Needle Electrodes	Ambu® Neuroline™ Subdermal	х			Х	Х		х	Length: 12 mm Diameter: 0.4 mm (27G) Lead wire length: 50, 100, 150, 200 cm	Stainless steel	M-connector	The needle tip is designed to reduce the penetration force Signal quality with stable impedance level
Needle Electrodes	Ambu® Neuroline™ Twisted Pair Subdermal	х			х	х		х	Length: 12 mm Diameter: 0.4 mm (27G) Lead wire length: 100, 150, 200, 250 cm	Stainless steel	M-connector	The needle tip is designed to reduce the penetration force Signal quality with stable impedance level
Needle Electrodes	Ambu® Subdermal Hooked Needle	х			x	х		X	Lead wire length: 120, 200, 250 cm	Stainless steel	DIN 42802	Designed to stay better in place during usage
Needle Electrodes	Ambu® Subdermal Curved Needle	х			х	х		X	Lead wire length: 150, 200 cm	Stainless steel	DIN 42802	Designed to stay better in place during usage
Needle Electrodes	Ambu® Subdermal Corkscrew				х	х		х	Diameter: 0.6 mm (23G) Lead wire length: 120, 200, 250 cm	Stainless steel	DIN 42802	Designed with an ergonomic grip for comfort
Needle Electrodes	Ambu® Subdermal Twisted Pair Corkscrew				х	х		х	Diameter: 0.6 mm (23G) Lead wire length: 120, 200, 250 cm	Stainless steel	DIN 42802	Designed with an ergonomic grip for comfort
Probes	Ambu [®] Probes							x	Lead wire length: 190 cm 6 types: Pedicle screw: 3 mm ball Monopolar: 2 mm probe tip Bipolar: 2 mm probe tip Concentric: 1 mm probe tip Double hooked: 4 mm probe tips Triple hooked: 4 mm probe tips	Stainless steel	DIN 42802	Designed for accurate stimulation Handle designed for a comfortable grip
Surface Electrodes	Ambu® Neuroline™ 720	х	х			х	x (pre-wired	x d) (non-wired)	Wired: 30x22 mm (LxW) Non-wired: 45x22 mm (LxW)	Silver/Silver chloride	M, K, J, SC, S connectors	Self-adhesive with wet gel for an instant and stable signal Strong adhesion ensures the electrode stays in place
Surface Electrodes	Ambu® Neuroline™ 700		Neuroph	ysiological ex	amination	ns of musc	cles and/or n	nerves	20x15 mm (LxW)	Silver/Silver chloride	K, J, SC connectors	Repositionable, self-adhesive, solid gel electrode Flexible, comfortable, soft and breathable backing material
Surface Electrodes	Ambu® Neuroline™ 710		Neuroph	ysiological ex	aminatior	ns of musc	cles and/or n	nerves	28x20 mm (LxW)	Silver/Silver chloride	K, J, SC connectors	Repositionable, self-adhesive, solid gel electrode Flexible, comfortable, soft and breathable backing material
Surface Electrodes	Ambu® Neuroline™ 715		Neuroph	ysiological ex	amination	ns of musc	cles and/or n	nerves	30x22 mm (LxW)	Silver/Silver chloride	K-connector	Repositionable, self-adhesive, skin-friendly, solid gel Transparent backing to guide placement on target area
Surface Electrodes	Ambu® Neuroline™ Ground (714)		Neuroph	ysiological ex	aminatior	ns of musc	cles and/or n	nerves	48x30 mm (LxW)	Silver/Silver chloride	M-connector	Repositionable, self-adhesive, solid gel electrode Flexible, comfortable, soft and breathable backing material

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WE ACKNOWLEDGE OUR ENVIRONMENTAL RESPONSIBILITY

FOCUS ON HIGH IMPACT AREAS

Ambu's primary goal is to deliver innovative devices that help healthcare professionals improve patient care and save lives. At the same time, we are acutely aware of our responsibility towards the planet on which we all live. Therefore, as we work towards long-term sustainability goals, we focus on the areas where we believe we can make a difference. We take practical actions throughout the life cycle of our products from design to production and disposal after end-of-use. Furthermore, to ensure that we are accountable and make concrete progress, we have formalized our commitments, documented our efforts and aligned measurements across our global locations.

OVERALL TARGETS



95% of new products released after 2025 to be **PVC-free**

ON TRACK



100% recyclable, reusable or compostable packaging applied

ON TRAC



reducing our carbon emissions by 50% by 2025, compared to 2019 baseline

ON TRACK

FOCUS AREAS WITHIN PRODUCT AND DESIGN



HEALTHY SUBSTANCES

Reduce the use of chemicals in our choice of materials in order to avoid exposure to substances of concern and enable safe circulation.



CIRCULAR PACKAGING AND LOGISTICS

Rethink packaging and the way we ship our products from suppliers to customers and beyond the end of the product life cycle.



MATERIALS INNOVATION

Rethink the way we enable circulation of our parts and products with materials, such as bioplastics and recyclates.



MANUFACTURING CASCADES

Reduce and recirculate materials, energy and water from the side streams of our processes to make more from less through cascaded use.



CIRCULAR PRODUCT DESIGN

materials at the highest possible value at all times, enabling circularity by design.



SYSTEM INNOVATION

Reconfigure health and waste systems through pilots and partnerships to achieve actual take-back and recycling in key regional markets.



As a signatory to the UN Global Compact, Ambu supports its ten principles for human rights, labour rights, the environment and anti-corruption, and we contribute to the UN Sustainable Development Goals (SDGs).

Our main contributions in the area of environment relate to the following four SDGs:



Ambu medical devices inherently contribute to good health and well-being. With this in mind, we continually evaluate the substances used to improve product performance and consider if and how they affect human health and the environment. The completion of the phasing out of harmful phthalates in our products produced since 2019/20 is an example of our long-term efforts in this area.

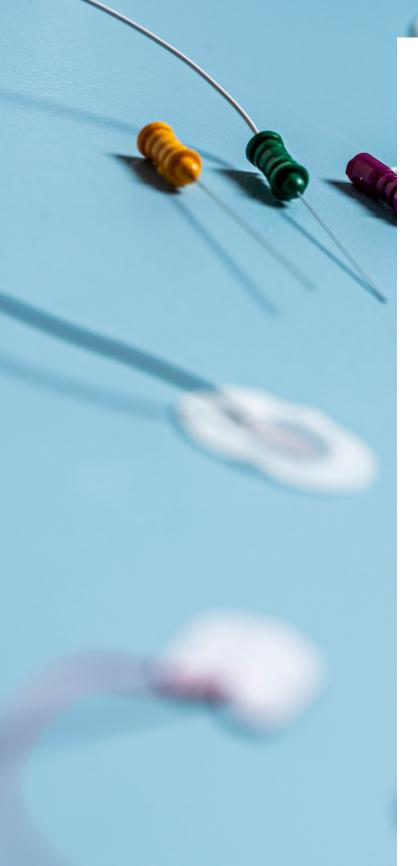


We contribute to responsible consumption and production by monitoring and reducing our energy and water consumption, minimising waste and focusing on sustainable procurement.



Through our energy efficiency activities and our engagement with the Science Based Targets initiative, we will increase our use of renewable electricity and thereby combat climate change and support affordable and clean energy.





A HISTORY OF BREAKTHROUGH IDEAS

Ambu has been bringing the solutions of the future to life since 1937. Today, millions of patients and healthcare professionals worldwide depend on the efficiency, safety and performance of our single-use endoscopy, anaesthesia, and patient monitoring & diagnostics solutions.

The manifestations of our efforts have ranged from early innovations like the Ambu® Bag™ resuscitator and the Ambu® BlueSensor™ electrodes to our newest landmark solutions like the Ambu® aScope™ - the world's first singleuse flexible endoscope. Moreover, we continuously look to the future with a commitment to deliver innovative quality products that have a positive impact on your work.

Headquartered near Copenhagen in Denmark, Ambu employs approximately 4500+ people in Europe, North America and the Asia Pacific.

Ambu takes environmental issues seriously

Some of the greenest companies in the world are based in Denmark, and Ambu is inspired by this tradition.

Ambu environmental targets by 2025: All packaging will be recyclable, reusable or compostable; 50% reduction of carbon emissions compared to 2019 baseline; 95% PVC-free for products released after 2025.

For more information, please visit ambu.com/neurology



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PUB-001614 - 2022/09 - V01 - Ambu A/S Technical data may be modified without further notice.