

DATASHEET

The extra small Ambu BlueSensor NEOX electrode is designed for premature neonatal care. It features a skin-friendly adhesive that ensures excellent adhesion and stable signal quality in high humidity environments like incubators.

The four-leaf clover shape conforms to skin surface and enables “roll-off” technique for gentle removal of electrode, minimizing removal force and skin stripping.

The sensors and leadwires are radiolucent and made from biocompatible materials.

Key benefits

- Extra small size is suitable for premature and neonatal patients
- Four-leaf clover shape conforms to skin surface and supports gentle removal
- Silicone adhesive is suitable for sensitive skin
- Transparent material allows to see the skin
- Excellent adhesion in high humidity environments
- Radiolucency allows the electrode to remain on the patient during X-ray procedures

Ambu® BlueSensor NEOX

ECG Electrode

Single use



Solid gel



Cloth backing



Silver sensor



Radiolucent

BlueSensor

Ambu

SPECIFICATIONS

Dimensions

Electrode size (max. L x W in mm)	25 x 20
Skin contact size (max. L x W in mm)	25 x 20
Adhesive area (in mm ²)	331

Sensor

Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Solid gel
Gel area/measuring area (in mm ²)	38,5 mm ²

Electrical data (ANSI/AAMI)

AC impedance - typical	340 Ω
DC offset voltage - typical	4.5 mV
Defibrillation overload recovery - typical	10.98 mV
Rate of change of polarization potential - typical	-0.22 mV/s
Combined offset instability and internal noise	0 μV
Bias current tolerance (over 8 hours)	5.7 mV

Environment

Electrode is not made with natural rubber latex
Wire is not made with natural rubber latex
Packaging is PVC-free

X-ray & MRI

Radiolucent	Yes
MR Conditional	No

Shelf life

Unopened pouch*	24 months
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*from date of production

CONNECTORS



K = 1.5 mm connector

MATERIALS

Electrode

Bio-compatible	Yes
Backing material	Polyuretane, non-woven polyester cloth
Skin adhesive	Silicone
Lead wire core	Carbon
Lead wire insulation	(TPE) Thermoplastic Elastomer
Lead wire connector	Brass/polypropylene
Release liner	Siliconized polyester film

Packaging

Pouch (outer/middle/inner layers)	Polyester/Aluminium/Polyethylene
Boxes	Cardboard

Options

Pre-wired connectors	K
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Precaution

Single use only

AVAILABLE CONFIGURATIONS*

Reference number**	Units/liner	Units/pouch	Units/inner box	Units/outer box
NEOX-60-K/EU/3	3	3	120	960
NEOX-60-K/US/3	3	3	120	960

NEOX-60-K ■ Product ■ Wire length ■ Connector

*some configurations may not be available worldwide

**coloured lead wires

EU: black, red, yellow

US: black, green, white

Ambu

Ambu A/S

Baltorpbakken 13
2750 Ballerup
Denmark
T +45 72 25 20 00
ambu.com

CE US: Rx only