

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.

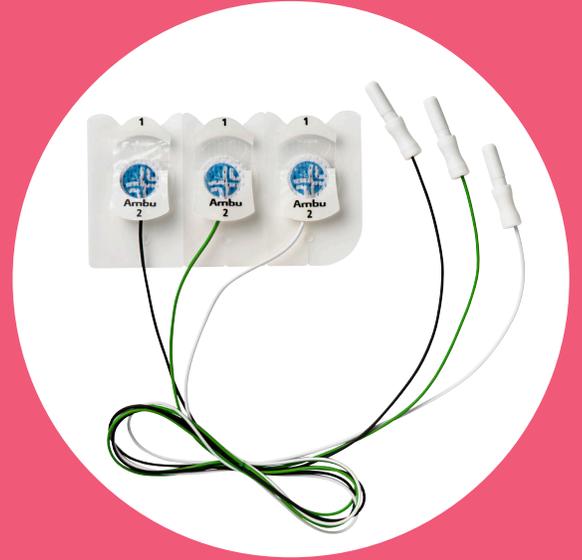
The four-leaf clover shape conforms to skin surfaces and enables “roll-off” technique for gentle electrode removal, minimizing removal force and skin stripping.

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

Ambu® BlueSensor NEOX

ECG Electrode

Single-Use



KEY BENEFITS

Extra small size is suitable for premature and neonatal patients

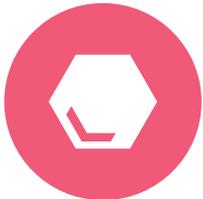
Four-leaf clover shape conforms to skin surface and supports gentle removal

Silicone adhesive is suitable for sensitive skin

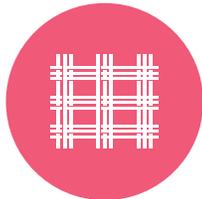
Transparent material allows to see the skin

Excellent adhesion in high humidity environments

Radiolucency allows the electrode to remain on the patient during X-ray procedures



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	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

*from date of production

CONNECTORS



K = 1.5 mm connector

MATERIALS

Electrode

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

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/US/3	3	3	120	960

**colored lead wires
 US: black, green, white

Ambu FOREVER FORWARD

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