

## DATASHEET

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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 a “roll-off” technique for gentle removal of electrode, minimising removal force and skin stripping.

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

### Key benefits

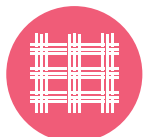
- Extra small size is suitable for premature and neonatal patients
- Four-leaf clover shape conforms to skin surface and supports gentle removal
- Silicone adhesive is suitable for sensitive skin
- Transparent material allows user to see the skin
- Excellent adhesion in high humidity environments
- Radiolucency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

## 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 <sup>2</sup> )	331

### Sensor

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

### 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 polarisation 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	Siliconised 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

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