

DATASHEET

The extra small radiolucent Ambu BlueSensor BRS has been specially developed for babies and newborns. The electrode features a skin-friendly solid gel that ensures stable signal quality.

The soft cloth backing material makes the electrode comfortable to wear over long periods. The BRS is only available with preattached lead wires (colour-coding optional).

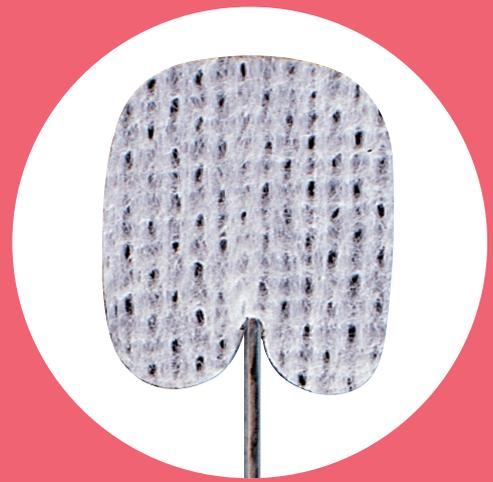
Key benefits

- Skin-friendly solid gel supports the quality of the signal
- Soft cloth backing material allows the skin to breathe
- Extra small size is suitable for neonates
- Radiolucency allows the electrode to remain on the patient during X-ray procedures

Ambu® BlueSensor BRS

ECG Electrode

Single use



Solid gel



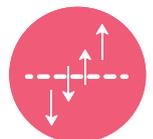
Cloth backing



Silver sensor



Radiolucent



Breathable backing

BlueSensor

Ambu

SPECIFICATIONS

Dimensions

Electrode size (length x width in mm)	16 x 19
Skin contact size (length x width in mm)	16 x 19
Adhesive area (in mm ²)	269

Sensor

Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Solid gel
Gel area/measuring area (in mm ²)	269

Electrical data (ANSI/AAMI)

AC impedance - typical	560 Ω
DC offset voltage - typical	4.6 mV
Defibrillation overload recovery - typical	19.67 mV
Rate of change of polarization potential - typical	-0.39 mV/s
Combined offset instability and internal noise	3.3 μV
Bias current tolerance (over 8 hours)	10.1 mV

MATERIALS

Electrode

Bio-compatible	Yes
Backing material	Non-woven polyester cloth
Sensor carrier	Carbon-filled polyvinyl chloride
Skin adhesive	Solid gel
Lead wire core	Carbon
Lead wire insulation	Polyvinyl chloride (PVC)
Lead wire connector	Brass/polypropylene (PP)
Release liner	Siliconized polyester film

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

Opened pouches	1 month
Unopened pouches *	18 months

*from date of production

CONNECTORS



A = 4 mm connector



K = 1.5 mm connector

Packaging

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

Options

Pre-wired connectors	A, K
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Precaution

Single use only

AVAILABLE CONFIGURATIONS*

Reference number**	Units/liner	Units/pouch	Units/inner box	Units/outer box
BRS-50-A/12	3	12	600	1200
BRS-50-K/12	3	12	600	1200
BRS-50-K/C3/3	3	3	600	1200
BRS-50-K/EU/12	3	12	600	1200
BRS-50-K/EU/3	3	3	600	1200
BRS-50-K/US/3	3	3	600	1200

BRS-50-A ■ Product ■ Wire length ■ Connector

*some configurations may not be available worldwide

**coloured lead wires

EU: black, red, yellow

US: black, green, white

C3: red, yellow, green

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