

DATASHEET

The extra large Ambu BlueSensor R features a conductive wet gel, offset connector and a Ag/AgCl sensor that ensures stable signal quality.

The electrode is suitable for short-term application and is gentle to the skin.

Key benefits

- Offset connector mitigates the impact on signal quality from external forces like pulling of lead wires and pressure on electrodes
- Offset connector allows the user to connect and disconnect the lead wire without applying pressure to the patient or the sensor area, which reduces the risk of gel spreading and adhesive detachment from skin
- Conductive wet gel lowers skin impedance effectively and immediately
- Wet gel optimizes contact between skin and electrode
- Adhesive is gentle to the skin and suitable for short-term application
- Ag/AgCl sensor ensures stable signal quality
- Visible release liner can help prevent medical accidents for both users and patients

Ambu® BlueSensor R

ECG Electrode
Single use



Wet gel



Foam backing



Silver sensor

BlueSensor

Ambu

SPECIFICATIONS

Dimensions

Electrode size (length x width in mm)	57 x 48
Skin contact size (diameter in mm)	48
Adhesive area (in mm ²)	1555

Sensor

Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Wet gel
Gel area/measuring area (in mm ²)	254

Electrical data (ANSI/AAMI)

AC impedance - typical	360 Ω
DC offset voltage - typical	0.38 mV
Defibrillation overload recovery - typical	10.47 mV
Rate of change of polarization potential - typical	-0.17 mV/s
Combined offset instability and internal noise	1.9 μV
Bias current tolerance (over 8 hours)	4.1 mV

MATERIALS

Electrode

Bio-compatible	Yes
Sponge	Polyurethane foam (PUR)
Backing material	Polyvinyl chloride foam (PVC)
Skin adhesive	Acrylate
Upper part	Polyvinyl chloride film (PVC)
A connector fitting	Polypropylene (PP)
S connector (stud)	Stainless steel
Release liner	Polyethylene film (PE)/Amorphous Polyethylene Terephthalate (APET)

AVAILABLE CONFIGURATIONS*

Reference number	Units/liner	Units/pouch	Units/inner box	Units/outer box
R-00-S/3	1	3	252	504
R-00-S/4	1	4	500	1000
R-00-S/5	1	5	500	1000
R-00-S/7	1	7	504	1008
R-00-S/10	1	10	500	1000
R-00-A/25	1	25	500	1000
R-00-S/25	1	25	500	1000

R-00-S ■ Product ■ Wire length ■ Connector

*some configurations may not be available worldwide

CONNECTORS



S = Stud



A = 4 mm fitting

FEATURES



Printed release liner

Environment

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

X-ray & MRI

Radiolucent	No
MR Conditional	No

Shelf life

Opened pouches	1 month
Unopened pouches*	24 months

*from date of production

Packaging

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

Options

Non-wired connectors S, A

Precaution

Single use only

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