

DATASHEET

The medium-sized Ambu BlueSensor SU ECG Electrode, is the world's first tab electrode featuring a wet gel. The combination of wet gel and Ag/AgCl sensor provides stable signal quality during 12-lead ECG diagnostic resting applications.

Ten SU electrodes are packed on a release liner so there is no need to peel off individual backing material. Thanks to the occlusive backing material, the electrode is resistant to liquids.

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 optimises contact between skin and electrode
- Occlusive backing material is resistant to fluids
- Ag/AgCl sensor ensures stable signal quality
- The tab version is radiolucent and MR Conditional

Ambu® BlueSensor SU

ECG Electrode
Single use



Wet gel



Polymer
backing



Silver
sensor



X-ray



MR
Conditional



Occlusive
backing

BlueSensor

Ambu

SPECIFICATIONS

Dimensions

Electrode size (length x width in mm)	49 x 33
Skin contact size (length x width in mm)	34 x 33
Adhesive area (in mm ²)	772

Sensor

Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Wet gel
Gel area/measuring area (in mm ²)	154

Electrical Data (ANSI/AAMI)

AC impedance - typical	820 Ω
DC offset voltage - typical	3.4 mV
Defibrillation overload recovery - typical	17.17 mV
Rate of change of polarisation potential - typical	-0.23 mV/s
Combined offset instability and internal noise	11.3 μV
Bias current tolerance (over 8 hours)	5.6 mV

MATERIALS

Electrode

Bio-compatible	Yes
Sponge	Polyurethane foam (PUR)
Backing material	Polyethylene foam (PE)
Skin adhesive	Acrylate
Upper part	Polyester film (PET)
Fitting	Polypropylene (PP)
Connector (stud)	Stainless steel
Release liner	Siliconised polyester film

AVAILABLE CONFIGURATIONS

Product Code	Units/liner	Units/pouch	Units/inner box	Units/outer box
SU-00-A/60	10	60	600	1200
SU-00-F/60	10	60	600	1200
SU-00-C/100	10	100	1200	2400

SU-00-C ■ Product ■ Wire length ■ Connector

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	C: Yes A, F: No
MR Conditional	C: Yes* A, F: No

Shelf Life

Opened pouches	1 month
Unopened pouches **	24 months

*static magnetic field of 1.5 Tesla and 3 Tesla, with maximum spatial field gradient of 12,900 G/cm or 129 T/m. Maximum whole body averaged (WBA) specific absorption rate (SAR) of 2 W/kg or 4 W/kg for 15 minutes of scanning

**from date of production

Pouch

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

Options

Non-wired connectors	C, A, F
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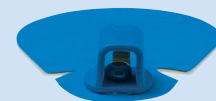
Precaution

Single use only

CONNECTORS



C = Clip



A = 4 mm fitting



F = 3 mm fitting

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