

DATASHEET

The extra large Ambu BlueSensor VLC features conductive wet gel and a combination of fast and long-term adhesives for stable signals throughout the monitoring period.

To minimize reactions to sensitive skin, the sponge is covered by a membrane, preventing direct contact between skin and sponge.

Thanks to the thin microporous material, the skin is able to breathe and the electrode remains comfortable to wear over long periods.

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
- Combination of fast and long-term adhesives secures fixation and a stable signal
- Thin microporous backing material allows the skin to breathe
- Ag/AgCl sensor ensures stable signal quality
- Visible release liner can help prevent medical accidents for both users and patients

Ambu® BlueSensor VLC

ECG Electrode
Single use



Wet gel



Microporous
backing



Double ring
adhesive



Silver sensor



Breathable
backing

BlueSensor

Ambu

SPECIFICATIONS

Dimensions

Electrode size (length x width in mm)	72 x 68
Skin contact size (diameter in mm)	68
Adhesive area (in mm ²)	3377

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	550 Ω
DC offset voltage - typical	3.6 mV
Defibrillation overload recovery - typical	10.16 mV
Rate of change of polarization potential - typical	- 0.1 mV/s
Combined offset instability and internal noise	4.6 μV
Bias current tolerance (over 8 hours)	4.9 mV

MATERIALS

Electrode

Bio-compatible	Yes
Sponge	Polyurethane foam/microporous (non woven rayon)
Backing material	Microporous tape (non woven rayon) and (blue) polyvinyl chloride film
Skin adhesive	Acrylate
S Connector (stud)	Nickel-plated brass
Release liner	Polyester/polyethylene film (PET/PE)

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	No
MR Conditional	No

Shelf life

Opened pouches	1 month
Unopened pouches*	15 months

*from date of production.

CONNECTORS



S = Stud

Packaging

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

Options

Non-wired connectors	S
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Precaution

Single use only

AVAILABLE CONFIGURATIONS*

Reference number	Units/liner	Units/pouch	Units/inner box	Units/outer box
VLC-00-S/4	1	4	500	1000
VLC-00-S/10	1	10	500	1000
VLC-00-S/25	1	25	500	1000

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

*some configurations may not be available worldwide.

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