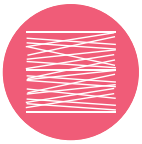
Ambu® BlueSensor VL

ECG Electrode
Single use





Wet gel



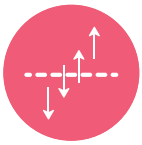
Microporous backing



Double ring adhesive



Silver sensor



Breathable backing

DATASHEET

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

Thanks to the low-profile microporous material, 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
- Also available with a preattached lead wire

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	580 Ω
DC offset voltage – typical	3.9 mV
Defibrillation overload recovery – typical	10.5 mV
Rate of change of polarization potential – typical	– 0.16 mV/s
Combined offset instability and internal noise	9 µV
Bias current tolerance (over 8 hours)	5.1 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	No
MR Conditional	No
Shelf life	
In opened pouches	1 month
Unopened pouches	24 months*

*from date of production.

MATERIALS

Electrode	
Bio-compatible	Yes
Sponge	Polyurethane foam (PUR)
Backing material	Microporous tape (non woven rayon) and (blue) polyvinyl chloride film
Skin adhesive	Acrylate
A Connector fitting	Polypropylene (PP)
S Connector (stud)	Nickel-plated brass
Lead wire core	Copper
Lead wire insulation	Polyvinyl chloride
Lead wire connector	Brass/polypropylene
Release liner	Polyester/polyethylene film (PET/PE)

Packaging	
Pouch (outer/middle/ inner layers)	Polyester/ Aluminium/ Polyethylene
Boxes	Cardboard
Options	
Non-wired connectors	S, A
Pre-wired connectors	A, K
Precaution	
Single use only	

AVAILABLE CONFIGURATIONS*

Reference number	Units/liner	Units/pouch	Units/inner box	Units/outer box
VL-00-A/25	1	25	500	1000
VL-00-S/10	1	10	500	1000
VL-00-S/25	1	25	500	1000
VL-10-A/25	1	25	500	1000
VL-50-A/25	1	25	500	1000
VL-50-K/25	1	25	500	1000

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

*some configurations may not be available worldwide.

CONNECTORS



S = Stud



A = 4 mm fitting

PRE-WIRED CONNECTORS



A = 4 mm connector



K = 1.5 mm connector

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