

## DATASHEET

The extra large Ambu BlueSensor VL ECG Electrode, 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

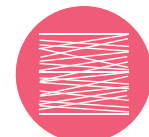
- Offset connector mitigates the impact on signal quality from external forces like pulling of lead wires and pressure on electrodes
- Offset connector allows the user to connect and disconnect the lead wire without applying pressure to the patient or the sensor area, which reduces the risk of gel spreading and adhesive detachment from skin
- Conductive wet gel lowers skin impedance effectively and immediately
- Wet gel optimises 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

# Ambu® BlueSensor VL

## ECG Electrode Single use



Wet gel



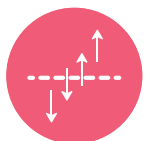
Microporous  
backing



Double ring  
adhesive



Silver sensor



Breathable  
backing

## SPECIFICATIONS

### Dimensions

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

### Sensor

Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Wet gel
Gel area/measuring area (in mm <sup>2</sup> )	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 polarisation potential - typical	- 0.16 mV/s
Combined offset instability and internal noise	9 μV
Bias current tolerance (over 8 hours)	5.1 mV

## 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)

## AVAILABLE CONFIGURATIONS

Product Code	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

### 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	24 months*

\*from date of production.

### Packaging

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

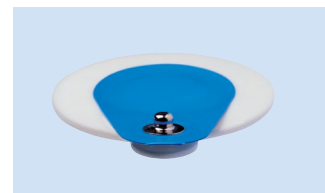
### Options

Non-wired connectors	S, A
Pre-wired connectors	A, K

### Precaution

Single use only

## CONNECTORS



S = Stud



A = 4 mm fitting

## PRE-WIRED CONNECTORS



A = 4 mm connector



K = 1.5 mm connector

# Ambu

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