

# Ambu<sup>®</sup> BlueSensor VL

ECG Electrode - Single use



## Key Benefits

- Highly conductive wet gel
- Combination of instant and long-term adhesives
- Breathable microporous material
- Unique offset connector
- High-quality Ag/AgCl sensor
- Available with preattached lead wire

## Ambu<sup>®</sup> BlueSensor VL

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

Thanks to the low-profile microporous material, skin is able to breathe so the electrode remains comfortable to wear over long periods. The VL is also available with a preattached lead wire.



Wet gel



Microporous backing

**BlueSensor**

**Ambu**<sup>®</sup>  
Ideas that work for life

## Specifications

Dimensions	
Electrode size (max. L x W or diameter in mm)	72 x 68
Skin contact size (max. L x W or diameter in mm)	68
Adhesive area (in mm <sup>2</sup> )	3377
Height excluding connector/wire (in mm)	1
Sensor	
Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Wet gel
Sensor area (in mm <sup>2</sup> )	20.8/22.4
Gel area/measuring area (in mm <sup>2</sup> )	254
Electrical data (ANSI/AAMI)	
AC impedance - typical	500 Ω
DC offset voltage - typical	0.2 mV
Defibrillation overload recovery - typical	7.4 mV

Electrical data (ANSI/AAMI)	
Rate of change of polarization potential - typical	0.2 mV/s
Combined offset instability and internal noise	<15 μV
Bias current tolerance (over 8 hours)	<5 mV
Environment	
PVC-free electrode	No
Electrode not made with natural rubber latex	
PVC-free lead wire	No
Wire not made with natural rubber latex	
PVC-free packaging	Yes
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
Sensor	Silver/silver chloride (Ag/AgCl)
Sponge	Polyurethane foam (PUR)
Outer carrier	Microporous tape (non woven rayon)
Outer adhesive	Acrylate
Inner carrier (if any)	Polyvinyl chloride film (PVC)
Inner adhesive (if any)	Acrylate
Upper part	Polyvinyl chloride film
Fitting	Polypropylene (PP)
Connector (stud)	Nickel-plated brass
Lead wire core	Copper
Lead wire insulation	Polyvinyl chloride
Lead wire connector	Brass/polypropylene
Liner	Polyester/polyethylene film (PET/PE)

Packaging	
Pouches, inner layer	Polyethylene (PE)
Pouches, centre layer	Aluminium (Al)
Pouches, outer layer	Polyester (PET)
Boxes	Cardboard
Standard Packaging	
Quantity/liner	1
Quantity/pouch	10, 25
Quantity/box	500/1000
Minimum sales	1000

Options	
Connectors	S, A
Pre-wired	Yes
Pre-wired connectors	A, K
Precaution	
Single use only	

## Available configurations\*

Quantity/pouch	10	25
	Quantity per inner/outer box	
VL-00-S	500/1000	500/1000
VL-00-A		500/1000
VL-10-A		500/1000
VL-50-A, K		500/1000

- Product
  - Wire length
  - Connector
- VL-oo-C

\*some configurations may not be available worldwide

**Ambu A/S**  
 Baltorpbakken 13  
 DK - 2750 Ballerup  
 Denmark  
 Tel. +45 7225 2000  
 Fax +45 7225 2053  
 www.ambu.com

## Connectors



S = Stud



A = 4 mm fitting

## Pre-wired connectors



A = 4 mm connector



K = 1.5 mm connector