# 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



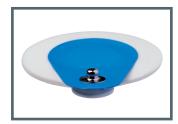


# **Specifications**

| 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 mm²)                           | 3377                                |  |
| Height excluding connector/<br>wire (in mm)      | 1                                   |  |
| Sensor   |                                     |  |
| Sensor material                                  | Silver/silver<br>chloride (Ag/AgCl) |  |
| Gel system                                       | Wet gel                             |  |
| Sensor area (in mm²)                             | 20.8/22.4                           |  |
| Gel area/measuring area<br>(in mm²)              | 254                                 |  |
| Electrical data (ANSI/AAMI)                      |                                     |  |
| AC impedance - typical                           | 500 Ω                               |  |
| DC offset voltage - typical                      | 0.2 mV                              |  |
| Defibrillation overload<br>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<br>(over 8 hours)           | <5 mV      |
| Environment  |            |
| PVC-free electrode                                 | No         |
| Electrode not made with<br>natural rubber latex    |            |
| PVC-free lead wire                                 | No         |
| Wire not made with natural<br>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* |

Connectors



S = Stud



A = 4 mm fitting

### **Pre-wired** connectors



A = 4 mm connector



K = 1.5 mm connector

## **Materials**

| Electrode               |   |
|-------------------------|---|
| Bio-compatible          | Yes                                     |
| Sensor                  | Silver/silver chloride<br>(Ag/AgCl)     |
| Sponge                  | Polyurethane foam (PUR)                 |
| Outer carrier           | Microporous tape (non<br>woven rayon)   |
| Outer adhesive          | Acrylate                                |
| Inner carrier (if any)  | Polyvinyl chloride film<br>(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<br>film (PET/PE) |
|                         |   |

# Available configurations\*

| Quantity/pouch       | 10             | 25              |
|----------------------|----------------|-----------------|
|                      | Quantity per   | inner/outer box |
| VL-oo-S              | 500/1000       | 500/1000        |
| VL-oo-A              |                | 500/1000        |
| VL-10-A              |                | 500/1000        |
| VL-50-A, K           |                | 500/1000        |
| Proc<br>VL-oo-C Wire | luct<br>length |                 |

Connector

\*some configurations may not be available worldwide

#### Ambu A/S

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

\*from date of production

| Options              |      |
|----------------------|------|
| Connectors           | S, A |
| Pre-wired            | Yes  |
| Pre-wired connectors | А, К |
| Precaution           |      |

Single use only

Packaging