

DATASHEET

The medium-sized Ambu BlueSensor Q features conductive wet gel, offset connector, and suitable adhesion to ensure good and stable signal quality during short-term applications. Thanks to the occlusive backing material, the electrode is resistant to liquids.

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
- Adhesive is suitable for short-term application
- Occlusive backing material is resistant to fluids
- Ag/AgCl sensor ensures stable signal quality
- Visible release liner can help prevent medical accidents for both users and patients
- Also available with preattached lead wire

Ambu® BlueSensor Q

ECG Electrode
Single use



Wet gel



Polymer backing



Silver sensor



Occlusive backing

SPECIFICATIONS

Dimensions

| | |
|---------------------------------------|--|
| Electrode size (length x width in mm) | 53 x 40 (non-wired) 40 x 40 (pre-wired) |
| Skin contact size (diameter in mm) | 40 |
| Adhesive area (in mm ²) | 1002 |

Sensor

| | |
|--------------------------------|----------------------------------|
| Sensor material | Silver/silver chloride (Ag/AgCl) |
| Gel system | Wet gel |
| Gel area (in mm ²) | 254 |

Electrical data (ANSI/AAMI)

| | |
|--|------------|
| AC impedance - typical | 710 Ω |
| DC offset voltage - typical | 2.9 mV |
| Defibrillation overload recovery - typical | 10.05 mV |
| Rate of change of polarisation potential - typical | -0.18 mV/s |
| Combined offset instability and internal noise | 10.4 μV |
| Bias current tolerance (over 8 hours) | 4.5 mV |

MATERIALS

Electrode

| | |
|-----------------------|--|
| Bio-compatible | Yes |
| Sponge | Polyurethane foam (PUR) |
| Backing material | Polyvinyl chloride film (PVC) |
| Skin adhesive | Acrylate |
| A connector, non-wire | Polypropylene (PP) |
| S connector (stud) | Nickel-plated brass |
| Lead wire core | Copper |
| Lead wire insulation | Polyvinyl chloride (PVC) |
| Lead wire connector | Brass/polypropylene (PP) |
| Release liner | Polyethylene film (PE)/Amorphous Polyethylene Terephthalate (APET) |

AVAILABLE CONFIGURATIONS*

| Reference number | Units/liner | Units/pouch | Units/inner box | Units/outer box |
|------------------|-------------|-------------|-----------------|-----------------|
| Q-00-A | 1 | 25 | 500 | 1000 |
| Q-00-S | 1 | 25 | 500 | 1000 |
| Q-10-A | 1 | 25 | 500 | 1000 |
| Q-10-F | 1 | 25 | 500 | 1000 |
| Q-50-K | 1 | 25 | 500 | 1000 |
| Q-100-K | 1 | 10 | 500 | 1000 |

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

*some configurations may not be available worldwide

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, non-wired* | 12 months |
| Unopened pouches, pre-wired* | 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, F, K |

Precaution

Single use only

CONNECTORS



S = Stud



A = 4 mm fitting



A = 4 mm connector



F = 3 mm connector



K = 1.5 mm connector

FEATURES



Printed release liner

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