

DATASHEET

The small radiolucent Ambu WhiteSensor 40554 ECG Electrode, has been specially developed for babies and newborns.

The electrode features a skin-friendly solid gel and breathable cloth backing material.

Key benefits

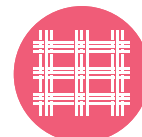
- Skin-friendly solid gel supports the quality of the signal
- Soft cloth backing allows the skin to breathe
- Small size is suitable for neonatal patients
- Radiolucency allows the electrode to remain on the patient during X-ray procedures
- Prewired with 1.5 mm connector

Ambu® WhiteSensor 40554

ECG Electrode
Single use



Solid gel



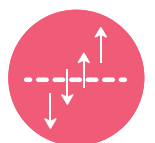
Cloth
backing



Silver
sensor



Radiolucent



Breathable
backing

WhiteSensor

Ambu

SPECIFICATIONS

Dimensions

| | |
|--|---------|
| Electrode size (length x width in mm) | 22 x 22 |
| Skin contact size (length x width in mm) | 22 x 22 |
| Skin contact area (in mm ²) | 484 |

Sensor

| | |
|--------------------------------|----------------------------------|
| Sensor material | Silver/silver chloride (Ag/AgCl) |
| Gel system | Solid gel |
| Gel area (in mm ²) | 484 |

Electrical Data (ANSI/AAMI)

| | |
|---|------------|
| AC impedance - typical | 220 Ω |
| DC offset potential - typical | 3.5 mV |
| Defibrillation overload recovery - typical | 12.65 mV |
| Rate of change for polarisation potential - typical | -0.26 mV/s |
| Combined offset instability and internal noise | 0.3 μV |
| Bias current tolerance | 4.5 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 | Yes |
| MR Conditional | No |

Shelf Life

| | |
|-----------------|-----------|
| Opened pouch | 1 month |
| Unopened pouch* | 24 months |

*from date of production

CONNECTORS



K = 1.5 mm connector

MATERIALS

Electrode

| | |
|----------------------|--------------------------------|
| Bio-compatible | Yes |
| Backing material | Non-woven (Cloth) |
| Supporting label | Printed Polyethylene (PE) foam |
| Lead wire core | Carbon |
| Lead wire insulation | Polyvinyl chloride (PVC) |
| Release liner | Siliconised polyester |

Packaging

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

Options

| | |
|----------------------|--------------------|
| Pre-wired connectors | K |
| Lead wire colors | Red, yellow, black |

Precaution

Single use only

AVAILABLE CONFIGURATIONS

| Product Code | Units/liner | Units/pouch | Units/inner box | Units/outer box |
|--------------|-------------|-------------|-----------------|-----------------|
| 40554 | 3 | 3 | 300 | 3000 |

Ambu

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