DATASHEET

Ambu® WhiteSensor 4440

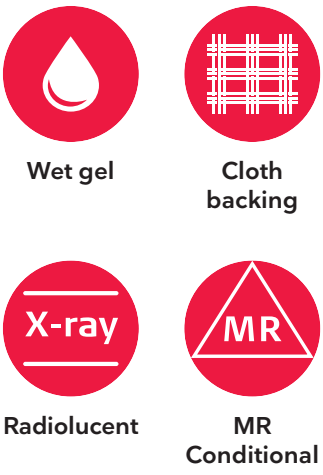
ECG Electrode - Single use

The Ambu WhiteSensor 4440 features a highly conductive wet gel system and strong adhesion to support a reliable trace for long term ECG monitoring applications.
Due to the soft cloth backing material, the electrode ensures ease of use during application. It is radiolucent and MR Conditional.



Key benefits

- Highly conductive wet gel
- Strong adhesion
- Soft cloth backing material
- Radiolucent
- MR Conditional
- Biocompatible



Wet gel | Cloth backing | Radiolucent | MR Conditional

WhiteSensor

Ambu

SPECIFICATIONS

Dimensions	
Electrode size (length x width in mm)	55
Skin contact size (in mm²)	2375
Adhesive area (in mm²)	1998
Height excluding connector (in mm)	0.32
Sensor	
Sensor material	Silver/silver chloride (Ag/AgCl)
Gel system	Chloride based, wet gel
Gel area (in mm²)	201
Sensor area (in mm²)	57
Electrical data (ANSI/AAMI)	
AC impedance - typical	150 Ω
DC offset potential - typical	1.0 mV
Defibrillation overload recovery - typical	12 mV
Rate of change for polarisation potential - typical	0.3 mV/s
Combined offset instability and internal noise	30 µV
Bias current tolerance	5 mV

Environment	
PVC-free electrode	No
Electrode not made with natural rubber latex	Yes
PVC-free packaging	Yes
X-Ray & MRI	
Radiolucent	Yes
MR Conditional	Yes*
Shelf life	
Opened pouch	1 month
Sealed pouch	24 months**

* Static magnetic field of 1.5 Tesla and 3 Tesla only. Maximum spatial gradient field of 25.000 Gauss/cm or 250 Tesla/m. Maximum whole body averaged specific absorption rate (SAR) of 2 W/kg for 15 minutes of scanning.

** From date of production.

MATERIALS

Electrode	
Bio-compatible	Yes
Sponge	Polyurethane foam (PU)
Backing material	Non-woven (Cloth)
Backing material adhesive	Acrylic
Supporting label	Polyvinyl Chloride (PVC)
Release liner	Siliconised polyester
Sensor material	Silver/silver chloride (Ag/AgCl)
Connector	Graphite

Packaging	
Pouch (outer/middle/inner layers)	Polyester/Aluminum/Polythene
Boxes	Corrugated cardboard
Options	
Connectors	S/RT
Precaution	
Single use only	
Accessories	
Skin Preps	Ref: 2121M

AVAILABLE CONFIGURATIONS

Reference number	Units/card	Units/pouch	Units/inner box	Units/outer box
4440	1	30	300	3000

Ambu

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

Manufacturer
MEDICO ELECTRODES INTERNATIONAL LTD.
[AN ISO13485 COMPANY]
Plot 142A/11, 12, 27, 28 & 29,
Noida Special Economic Zone,
Noida, Uttar Pradesh - 201305, India
medicoelectrodes.com

CE US: Rx only

LBL-006786 - V02 - 2025/12 - Ambu A/S - Technical data may be modified without further notice - IB 11788