

# Ambu® WhiteSensor 4500M

ECG Electrode - Single use



## Key Benefits

- Highly conductive wet gel
- Good adhesion
- Comfortable foam backing
- Radiolucent
- MR Conditional

## Ambu® WhiteSensor 4500M

The Ambu WhiteSensor 4500M features a wet gel with good adhesion to ensure a good signal quality during short-term ECG monitoring applications.

Thanks to the flexible foam backing material, the electrode ensures ease of use and comfort during application. It is radiolucent and MR Conditional.



Wet gel



Foam backing



Radiolucent



MR Conditional

WhiteSensor

**Ambu**  
Ideas that work for life

# Specifications

Dimensions	
Electrode size (length x width in mm)	50 x 48
Adhesive area (in mm <sup>2</sup> )	1584
Height excluding connector (in mm)	1
Sensor	
Sensor material	Silver, silver chloride (Ag/AgCl)
Gel system	Wet gel
Gel area (in mm <sup>2</sup> )	201
Sensor area (in mm <sup>2</sup> )	79
Electrical data (ANSI/AAMI)	
AC impedance - typical	95 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	9 μV
Bias current tolerance	5 mV

Environment	
PVC-free electrode	Yes
Electrode not made with natural rubber latex	
PVC-free packaging	Yes
X-Ray & MRI	
Radiolucent	Yes*
MR Conditional	Yes***
Shelf life	
Opened pouch	30 days
Sealed pouch	24 months**

\*\* from date of production

Accessories	
Skin Preps	Ref: 2121M

## Materials

Electrode	
Bio-compatible	Yes
Sponge	Polyester Polyurethane Reticulated
Backing material	Polyethylene foam (PE)
Backing material adhesive	Polyacrylate
Supporting label	Polyethylene
Connector	Graphite, snap type
Upper substrate	-
Release liner	Polyester (PET)
Stud material	Carbon filled ABS
Connector	Connector - Carbon

Packaging	
Pouch (outer/middle/inner layers)	Polyester (PET)/aluminium/Poly film
Inner carton	Corrugated box
Shipping carton	Corrugated box
Standard Packaging	
Quantity/liner	3
Quantity/pouch	30
Inner carton	300
Shipping carton	3000
Minimum sales	3000
Precaution	
Single use only	

## Available configurations

Quantity/pouch	30
	Quantity per inner/outer box
4500M	300/3000

\* Overlay material of the 4500M with graphite snap may cast shadows in radiographs with intensities greater than 50 kV

\*\*\* Static magnetic field of 1.5 Tesla and 3 Tesla only. Maximum spatial gradient field of 10.000 Gauss/cm or 100 Tesla/m. Maximum whole body averaged specific absorption rate (SAR) of 2 W/kg for 15 minutes of scanning.