GEOSAVERD ®

FIRST GEO DEFIBRILLATOR

GEO SAVER D

It allows the user to view the ECG and everything needed to know about the patient and ongoing rescue treatment on a 5.7" full-colour display compliant to IEC/EN 60601-2-27.
ECG can also be sent in real time to the AMISAVERCLOUD PLATFORM to enable another operator to monitor the ECG simultaneousely with the local rescuer.

AMI ITALIA
MEDICAL DEVICES

GEOSAVERD
FIRST GEO DEFIBRILLATOR

Defibrillator

Operation:	AED Semi-Automatic ; ECG Monitoring capability
Energies:	Standard max 200J or Power max 360J
Waveform:	Adaptive BTE (biphasic truncated exponential) conforming to patient chest's impedance
Protocols:	Various adult shock protocols available on request
Factory default:	Adult Standard escalating 150, 200, 200J
	Adult Power escalating 200, 250, 360J
	Pediatric (Standard or Power) 50J fixed
Charging time:	≤9 seconds with a new and fully charged battery depleted battery will result in a longer charging time
Analysis time:	IEC/EN 60601-2-4 from 4 to 15 seconds
Impedance:	20-200 ohms
Sensitivity:	IEC/EN 60601-2-4 (AHADB, MITDB source), 97%
Specificity:	IEC/EN 60601-2-4 (AHADB, MITDB source), 99%
Controls:	2 buttons: ON/OFF, shock button, and 3 buttons to surf the menu.
Indicators:	Status LED indicator informing on device condition Battery gauge with remaining capacity rate Audible alerts and text display with service alarms
Upgradeable:	through a USB cable, memory card or by remote through AMISAVERCLOUD

ECG Monitoring

Operations:	Through defibrillation pads or standard ECG electrodes attached to a separate 2-Lead patient monitoring reusable cable SAV-C0017
ECG size:	Manual setting through the menu
Heart Rate:	30-200 bpm
Sweep Speed:	25 mm/sec
Standard:	IEC/EN 60601-2-27 less then the points 202.6.2.101; 201.12.1.101.12,13; 208.6.6.2.101 not performed for the intended use of the device, as it is not intended for environments such as operating theatres or intensive care units
Display:	5,7" TFT colour, 640 x 480 pixel

Battery options

Type:	Li-SOCl2 Disposable, code SAV-C1032
Autonomy:	250 complete rescue cycles (shocks at 200J and CPR) or 160 complete rescue cycles (shocks at 360J and CPR) or 24 hours ECG monitoring for a new and fully charged battery(*)
Shelf-Life:	when stored in original packaging 5 years (*)
Battery-Life:	4 years once installed to AED, assuming one battery insertion test and daily self-test but without switching AED on (*)
Type:	Li-ion Accumulator, code SAV-C1033
Recharging time:	2,5 hours with the charger station code SAV-C1034 (*) (recommended to charge every 4 months at least)
Autonomy:	200 shocks at 200J or 110 shocks at 360J or 14 hours in ECG Monitoring for a new fully charged accumulator (*)
Battery-Life:	2 years or 300 charging cycles (*)

Pads options

Type:	Disposable, pre-gelled and self-adhesive
Adult:	Code SAV-C0846, for patient >8 years or >25 kg
Pediatric:	Code SAV-C0016, for patient <8 years or <25 kg
Cable length:	120 cm
Shelf-Life:	30 months

Event recording

Internal memory:	up to 6 continuous hours of ECG and rescue events
Optional memory:	Removable SD card; length of storage depends on card capacity: a 2GB card records up to 100 hours
Data recording:	"AED1LOG" text file with detailed self-test activity "AEDFILES" multimedia files with complete recorded information
Event review:	"Saver View Express" data manager software

Physical

Size:	29,5 x 23 x 11,5 cm
Weight:	+/- 2,85 kg

Environmental

Operating temperature:	0°C to 55°C (32°F TO 131°F)
Storing/Shipping temperature:	-40°C to 70°C (-40°F TO 158°F) without battery
Humidity:	10% to 95% relative humidity non condensing
Sealing (IP Protection):	IEC/EN 60529 class IP56;splash proof, dust protected
Shock/Drop Abuse Endurance:	IEC/EN 60601-1 clause 21; 1 meter drop, impact, force, rough handling, mobile tolerance
Electrostatic Discharge:	IEC/EN 61000-4-2
Electromagnetic Compatibility:	IEC/EN 60601-1-2 Emission, Immunity
Electrical Protection:	IEC/EN 60601-1; Internally Powered, Type BF/CF
Directive 93/42/CEE and 2007/47/CE:	Class IIb
Radio Equipment Directive (RED):	Directive 2014/53/UE

Geoloc module

Frequency:	GSM: 850, 900, 1800, 1900 MHz; UMTS: 900, 2100 MHz GPS: 1575, 1600 MHz

Geoloc battery options:

Type:	Li-SOCl2 Disposable, code SAV-C1038
Shelf-Life:	when stored in original packaging 5 years(*)
Battery-Life:	4 years once installed to AED, assuming one battery insertion test and daily self-test but without switching AED on(*)
Type:	Li-ion Accumulator, code SAV-C1039
Recharging time:	2,5 hours with the charger station code SAV-C1040 (*) (recommended to charge every 4 months at least)
Battery-Life:	2 years or 300 charging cycles (*)

(*)Temperature at 20°C Humidity 45% non-condensing