



E10S

Model E10A1

Specifications

Single chamber pacemaker system

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Mechanical

Model	E10A1
Size (HxWxD mm)	40.2x42.9x7.5
M (g)	21.5
V (cc)	9.7
Connector	IS-1 BI or UNI
Radiopaque ID	VG

Battery

Type	Lithium-iodine
Voltage	2.8 V
Average projected capacity	.92 Ah

Longevity 10.4 years*

Bradycardia Pacing

Programmable parameters

Pacing Modes	VVI , VVT, VOO, AAI, AAT, AOO, OVO, OAO
Lower Rate	30, 35, 40... 60 ...175 ppm (exc. 65, 85)
A and RV Pulse Amplitude ^a	0.5, 0.75, 1.0... 3.5 ...4, 4.5, 5, 5.5, 6, 7.5 V
A and RV Pulse Width	0.12, 0.15, 0.21, 0.27, 0.34, 0.4 , 0.46, 0.52, 0.64, 0.76, 1, 1.25, 1.5 ms
Atrial Sensitivity	0.25, 0.35, 0.5 , 0.7, 1, 1.4, 2, 2.8, 4 mV
Ventricular Sensitivity	1, 1.4, 2, 2.8 , 4, 5.6, 8, 11.2 mV
Pacing Polarity (A and V)	Bipolar, Unipolar, Configure
Sensing Polarity (A and V)	Bipolar, Unipolar, Configure
Atrial Refractory Period	180, 190, 200... 250 ...500 ms
Atrial Blanking Period	130, 140, 150... 180 ...350 ms
Ventricular Refractory Period	150, 160, 170... 330 ...500 ms

Therapies to promote intrinsic activation

Sleep	On, Off
Sleep Rate	30, 35, 40... 50 ...90 ppm (exc. 65, 85)
Bed Time	00:00, 00:15, 00:30... 22:00 ...23:45
Wake Time	00:00, 00:15, 00:30... 8:00 ...23:45
Single Chamber Hysteresis	Off , 40, 50, 60 ppm

Automatic Pacing, Sensing, and Lead Monitor

Implant Detection and Initialization

At the completion of the 30-minute Implant Detection period, the appropriate pacing and sensing polarities are automatically selected by the device; Ventricular Output Management is enabled and Amplitude and Pulse Width become adaptive.

Implant Detection	On/Restart, Off/Complete
Lead Monitor (A and V)	Configure, Monitor Only, Adaptive (Auto Polarity Switch), Off
Notify If <	200 Ω
Notify If >	1000, 2000, 3000, 4000 Ω
Monitor Sensitivity	2, 3, 4... 8 ...16

Ventricular Output Management

Ventricular Output Management	Off, Monitor Only, Adaptive
Amplitude Margin	1.5x, 2x , 2.5x, 3x, 4x (times)
Minimum Adapted Amplitude	0.5, 0.75... 2 ...3.5 V
Capture Test Frequency	15, 30 min; 1, 2, 4, 8, 12 hours; Day at rest ; Day at...; 7 days and 00:00, 1:00...23:00
Capture Test Time	00:00, 1:00...23:00
Acute Phase Days Remaining	Off, 7, 14, 21... 84 , 112 , 140, 168... 252 days
V. Sensing During Search	Unipolar, Bipolar, Adaptive

Diagnostics

Cardiac Dashboard II

Highlights significant events, pacing summary, threshold and impedance trends

Ventricular pacing threshold trends
Battery longevity
Pacing summary and access to rate histogram
Atrial and ventricular lead impedance trends
Observations

Histogram reports

Heart rate histograms

Atrial and ventricular episodes

High rate episodes
Multiple EGM episodes
AT/AF duration

Clinician selected diagnostics

Custom rate trend
Ventricular output management detail
High rate detail

Vitatron. The Pace Makers

Vitatron – based in Europe – is the only medical device company that specializes exclusively in pacemakers. Since 1962, Vitatron pacemakers have helped restore more than 600,000 people in more than 60 countries to a full life. We strive to achieve perfection in everything we do. This results in unique patient-focused therapies, as well as highly cost-effective pacemakers that are easy to use.



E10 S Single Chamber

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Vitatron is further represented by dealers throughout the world. All specifications subject to change without notice.