

Technical specifications

Symphony SR

2250 model

Cardiac pacemaker SSIR



Programmable parameters

Basic parameters	
Chamber	A - V
Mode	VVI - VVT - VOO - AAI - AAT - AOO
Basic rate	30 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 90 - 95 min ⁻¹
Maximum tracking rate	100 - 110 - 120 - 130 - 140 - 155 - 165 - 175 - 185 min ⁻¹
Hysteresis	0 - 5 - 10 - 20 - 35 %
Pacing and sensing parameters	
Amplitude	1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 5.0 - 7.5 V
Pulse width	0.10 - 0.25 - 0.35 - 0.50 - 0.60 - 0.75 - 0.85 - 1.00 ms
Atrial sensitivity	0.4 - 0.6 - 0.8 - 1.0 - 1.2 - 1.5 - 1.8 - 2.0 - 2.2 - 2.5 - 2.7 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 6.0 mV
Ventricular sensitivity	1.0 - 1.2 - 1.5 - 1.8 - 2.0 - 2.2 - 2.5 - 2.7 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 6.0 - 8.0 - 10.0 - 15.0 mV
Sensing polarity	Unipolar - Bipolar
Pacing polarity	Unipolar - Bipolar
Special features	
Rate smoothing	OFF - Very slow - Slow - Medium - Fast
Autosensing	Auto - Monitor
Ventricular Autothreshold	Auto - Monitor - OFF
Min. ventricular amplitude	1.5 - 2.0 - 2.5 - 3.0 - 3.5 V
Rate-responsive parameters	
Sensor choice	MV+G - MV - G
Rate responsive mode	Learn - RRauto - RRfixed - OFF
Physical exercise	Very low - Low - Medium - High - Very high

Non programmable parameters

Rate limit	195 min ⁻¹
Magnet rate (BOL / ERI)	96 min ⁻¹ / 80 min ⁻¹
Refractory periods	Automatic

As shipped values are written in bold.

Physical characteristics

Dimensions : 47.3 x 36.2 x 6.4 mm
 Weight :21 g
 Volume :9.3 cm³
 Connector : IS-13.2 mm bipolar
 Longevity :118 months until ERI
 (CENELEC conditions:
 100% pacing in VDDR -
 70min⁻¹ at 2.5V-0.5 ms - 500 Ω).

Follow-up functions

Patient data

Battery status:

- magnet rate,
- battery impedance,
- battery curve.

Lead impedance,

Pacing threshold test with simultaneous transmission of intracardiac ECG,

Automatic measurement of intrinsic waves **amplitudes**.

Intracardiac ECG and markers,
 Temporary programming.

NIPS (Electro-physiologic studies):

Burst, extra-stimuli sequences.

Monitoring of the rate-responsive function:

Automatic recording of sensor data during 20 minutes and simulation of the sensor response.

24-hour follow-up:

AIDA+ diagnostic data over 24 hours, hour by hour.

AIDA+ Diagnostics

(Automatic Interpretation for Diagnosis Assistance)

Automatic analysis of stored data:
 help messages supported by graphical data.

Reprogramming proposals for pacemaker functioning optimisation.

Day by day evolution over 6 months:

- rate and pacing %.

Statistics

Other information:

- pacing threshold follow-up,
- amplitudes of normal waves,
- 24-hour heart rate curve,
- Sensor accelerated cycles according to their rate.

AIDA+ interrogation time is less than 40 seconds.