



ELA **ovatio** VR
MODEL 6250

TECHNICAL SPECIFICATIONS



Real size, 29 cc, 10.9 mm thin, 34 J

SENSING/DETECTION	
THERAPY ZONES	VALUES
Slow VT detection zone	Slow VT ON- Slow VT OFF
VT detection zone	VT ON- VT OFF
Fast VT / VF detection zone	Fast VT + VF ON- VF ON
Slow VT cycle length (lower limit) (min-1)	From 100 to 200 by steps of 5 ; 190
VT cycle length (lower limit) (min-1)	130-135-140-145-150-155-160-165-170-175-180-185- 190 -195-200-210-220-230-240
VF cycle length (lower limit) (min-1)	150-155-160-165-170-175-180-185- 190 -195-200-210-220-230-240
Fast VT cycle length (upper limit) (min-1)	150-155-160-165-170-175-180-185- 190 -195-200-210-220-230-240-255
Slow VT persistence (cycles)	4-6-8-10- 12 -16-20-30-50-100-200
VT persistence (cycles)	4-6-8-10- 12 -16-20-30-50-100-200
VF persistence (cycles)	From 4 to 20 by steps of 1 ; 6
SORTING CRITERIA	
Slow VT and VT sortin criteria	Rate Only -Stability -Stability+ -Stability/Acc - Stability+/Acc
Very fast VT sorting criteria	Rate+Stability - Rate Only
Majority (XY), Y (cycles)	8 -12-16
Majority (XY), X (%)	65-70- 75 -80-90-95-100
Window of RR stability for slow VT and VT (ms)	30-45- 65 -80-95-110-125
Window of RR stability for fast VT (ms)	30 -45-65
Prematurity acceleration (%)	6-13- 19 -25-31-38-44-50
Long cycle persistence extension (cycles)	From 0 to 16 by steps of 1 ; 10
Long cycle gap (ms)	15-30-45-65-80-95-110-125-140-155- 170 -190-205

THERAPIES	
COMMON PARAMETERS	VALUES
Enable ATP Therapy	Yes- No
Enable shock therapy	Yes- No
Polarity	Normal -Inverted
Polarity alternation	Yes- No
Atrial Coil (SVC) present	Yes- No
Active case	Yes- No
Shock vector	Case to RV-SVC to RV- Case + SVC to RV
SVC exclusion (shock < 15J)	Yes- No

THERAPIES	
programmable independently per zone (slow VT, VT, fast VT/VF, VF)	
ATP PROGRAM PER ZONE	VALUES
2 ATP programs	OFF -Burst-Burst+Scan-Ramp-Ramp+Scan
Number of sequences	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15
Cycles in first sequence	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15
Cycles added per sequence	0-1-2-3-4-5-6-7-8-9-10-11-12-13-14-15
Coupling interval (%)	50-55-60-70-75-80-90-95
Ramp decrement (ms)	0-4-8-12-16-20-30-40-50-60
Scan decrement (ms)	0-4-8-12-16-20-30-40-50-60
Time limit (Min)	0,5-1-1,5-2-2,5-3-3,5-4
Minimum cycle length (ms)	95-110-125-140-155-170-190-205-220-235-250-265-280-295-310
SHOCK PROGRAM PER ZONE	
2 shocks with programmable energy (J)	OFF -0,5-0,8-1,2-1,6-2,1-2,7-3,4-4-5-6-7-8-9-10-12-14-16-18-20-22-24-26-28-30-32-34
Number of shocks Max (34 J)	OFF -1-2-3-4

Note: In fast VT/VF zone: only one ATP program programmable, shock program still programmable

ANTIBRADYCARDIA PACING	
BASIC PARAMETERS	VALUES
Mode	VI -WIR
Basic rate (min-1)	From 30 to 90 by steps of 5 ; 60
Maximum rate (min-1)	From 100 to 145 by steps of 5 ; 120
Ventricular sensitivity (mV)	From 0,4 to 4 by steps of 0,2 ; 0,4
Hysteresis (%)	0 -5-10-20-35
Ventricular amplitude (V)	1-1,5-2-2,5-3- 3,5 -4-4,5-7
Ventricular pulse width (ms)	0,12-0,25- 0,35 -0,5-0,6-0,75-0,85-1
POST-SHOCK MODE	
Mode	OFF -VI
Duration	10s- 20s -30s-1min-2min-3min-4min-5min
Basic rate (min-1)	From 50 to 90 by steps of 5 ; 60
Ventricular amplitude (V)	1-1,5-2-2,5-3- 3,5 -4-4,5-7
Ventricular pulse width (ms)	0,12-0,25- 0,35 -0,5-0,6-0,75-0,85-1
SPECIAL FEATURES	
Smoothing	No -Very slow-Slow-Medium-Fast
Physical activity	Very low-Low- Medium -High-Very high
SENSITIVITY MARGINS	
Ventricular post pacing margin (mV)	From 0 to 2 by steps of 0,2 ; 0,8
RESPONSE TO NOISE	
V pacing on noise	Yes- No
Automatic sensitivity on noise	Yes- No

NON PROGRAMMABLE PARAMETERS	
VENTRICULAR REFRACTORY PERIODS	VALUES
Post ventricular sensing	95 ms
Post ventricular pacing	220 ms
THERAPIES	
Waveform	Constant tilt (50% - 50%)
Stored energy for the shock MAX	34 J
Pacing amplitude during ATP therapies	7 V

AIDA+ Diagnostics (Automatic Interpretation for Diagnosis Assistance)

- Automatic analysis of stored data: help messages supported by graphical data.
- Reprogramming proposals for device functioning optimisation.
- Day by day evolution over 6 months: of ventricular arrhythmias, of V rate and pacing %.
- Ventricular arrhythmias analysis
 - Delivered therapy statistics, pacing and detection statistics
 - EGM, markers and device analysis: up to 17 episodes
 - Arrhythmia history

Automated follow-up assistant

Automatic sequencing of the steps of a standard follow-up

Physical characteristics:

- Size: 58.4 x 67.9 x 10.9 mm - 85g - 29cc
- Connectors: 1*IS-1 bipolar, 2*DF-1
- Longevity: 6.9 years (pacing in V V I mode, 15%, 500 Ω, 2.5 V, 0.35 ms, 60 min-1, 1 maximum power shock per quarter)

Value in bold: 'as shipped' value.

Information given in this document may be modified without prior notice.