

Lumax 340 HF-T

Three-chamber High Energy ICD for Cardiac Resynchronisation Therapy

Technical Data



- CRT-ICD with BIOTRONIK Home Monitoring®
- Heart Failure Monitor® with continuous control of cardiac condition and system integrity
- IEGM-Online HD®
- Algorithms for 100 % biventricular pacing
- Multiple LV pacing polarities
- Superior longevity
- 40 J shock energy

Home Monitoring

Transmitted data	Heart Failure Monitor diagnostics detection and therapy counters rhythm control statistics lead integrity measurements battery and system status ICD program parameters
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Report Types

Trend report	triggered automatically once every 24 hours
Event report	triggered automatically after certain cardiac events

Event Types

Implant	device status, battery status, programmer triggered message received
Leads	sensing amplitude (RA, RV, LV) ⁵⁾ , pacing impedance (RA, RV, LV) ⁶⁾ , shock impedance (painless, at last shock) ⁶⁾
Arrhythmias	atrial arrhythmia detected (ongoing, monitor, SVT), ventricular arrhythmia detected (VT-1, VT-2, VF), ineffective max. energy shock
Heart Failure Monitor	percentage of CRT pacing, mean heart rate (24 h, at rest) ⁵⁾ , atrial burden ⁵⁾ , mean VES/h ⁵⁾
Episodes	ven. episode with two or more started shocks, ven. episode with acceleration of ventricular rhythm, ven. episode with acceleration of atrial rhythm ⁵⁾ , ven. episode with fulfilled ATP time-out criterion, ven. therapy episode duration ⁵⁾ , ven. monitoring episode duration ⁵⁾ , periodic IEGM received
Test report	triggered manually via programmer

Programmer Settings

Home Monitoring	OFF, ON
Time of data transmission	00:00 - 23:59

IEGM-Online HD

IEGM for therapy episodes	OFF, ON
IEGM for monitoring episodes	OFF, ON
Periodic IEGM	OFF, 2, 3, 4, 6 months
Ongoing atrial episodes	OFF, 0.5, 6, 12, 18 h

Technical Data

Transmitter frequency	403 MHz
Transmitting power	< 25 µW

- 1) OFF cannot be programmed if SMART is active.
- 2) PES: Programmed extrastimulus
- 3) PVARP: Post ventricular atrial refractory period
- 4) DDD-BiV; 60 ppm; RA/RV 2.4 V/0.5 ms; LV 4.8 V/0.5 ms; 700 Ω; stimulation: RA 15%, RV/LV 100%; quarterly shocks;
Home Monitoring ON and diagnostics ON
- 5) Programmable upper or lower limit
- 6) Programmable upper and lower limit

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BIOTRONIK GmbH & Co. KG
Woermannkehre 1
12359 Berlin · Germany
Tel +49 (0) 30 68905-0
Fax +49 (0) 30 6852804
sales@biotronik.com
www.biotronik.com