Renamic Neo

Medical Programmer and Monitoring Device

Ordering Information

Model	Order number
Renamic Neo (incl. standard accessories)	
Renamic Neo EU (European Union)[1]	424722
Renamic Neo NA (North America)[2]	424723
Renamic Neo LATAM (Latin America)[3]	424724
Renamic Neo APAC (Asia-Pacific)[4]	424725
Renamic Neo JP (Japan)	424728
Renamic Neo CN (China)	424729
Renamic Neo ROW (rest of world)[5]	424726

Product Highlights

Complete wireless connectivity plus Ethernet and USB

EHR export and ReportShare for paperless environment and remote consultation[6]

Integrated three-chamber PSA

Mobile use and workflow flexibility supported by long battery runtime

High-quality touch screen with multi-touch technology

Quick system start[7]

Compatibility with all current CRM implantable devices of BIOTRONIK[8]

30 % less weight

LiveView and LiveControl for real-time remote support[9]

[1] All EU territories and EU-associated countries, including Turkey
[2] USA and Canada
[3] All countries in South and Latin America, e.g., Brazil
[4] Australia, New Zealand, Taiwan, South Korea, Malaysia, Singapore, etc.
[5] Russia, India, Middle East, Africa, etc.
[6] Additional registration and activation required
[7] When using the standby mode
[8] Except Stratos
[9] Country-specific availability depending on respective approval status

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Technical Data

Housing	
Dimensions (l x w x h)[1]	34.0 x 34.6 x 12.0 cm
Weight[2]	7.3 kg
Screen	12.1" size, 1280 x 800 WXGA resolution, capacitive touch screen, multi-touch, retractable, adjustable tilt
Battery runtime	At least 3 hours[3]

[1] Including a compartment for ECG cable and programming head
[2] Including stylus, rechargeable battery and programming head
[3] See technical manual for operating condit

Interfaces & connectivity	
Mobile networks	LTE (4G)/UMTS (3G)
Bluetooth	Standard Bluetooth BR/EDR, Low Energy (4.2; 5.0) Frequency band 2.4 GHz ISM band
WLAN	Standard IEEE 802.11 a / b / g / n / ac Frequency band 2.4 GHz/5 GHz
Ethernet	Data rate 100 MBit/s
USB 2x	Data export, printer
USB 1x	Mouse, keyboard, barcode scanner
USB 1x	Mobile internet USB stick
Mini DisplayPort	Integrated Mini DisplayPort Compatible with standard HDMI adapter Compatible with standard VGA adapter

PC functionality	
Operating system	Windows 10 embedded
Mass storage	> 128 GB (SSD)

Data administration/Documentation	
Data export into the hospital network	Via WLAN, Ethernet, Bluetooth or USB
BIOTRONIK Remote Services	Via WLAN, Ethernet and mobile network
External printing	Via WLAN, Ethernet or USB

ECG	
Leads	3 (Einthoven)
Scan rate	500 ... 1000 Hz
ECG cable length	4.0 m (PK-222-L) 2.8 m (PK-222)

Device interrogation	
Programming head:	
Dimensions (l x w x h)	10.2 x 13.2 x 3.7 cm
Cable length	2.8 m
Wandless RF telemetry[4]	BIOTRONIK SafeSync Frequency band MICS 402 - 405 MHz

[4] For implantable devices supporting wandless telemetry

Remote Support[5]	
LiveView	Sharing the programmer screen with BIOTRONIK expert in remote location
LiveControl	Allows BIOTRONIK expert to remote control the programmer
ReportShare	Sharing follow-up reports with BIOTRONIK experts and colleagues

[5] Country-specific availability depending on respective approval status

Accessories (order numbers)[6]	
Rechargeable battery	445510
LTE/UMTS dongle	Country-specific[7]
Power supply brick	447108
Power cord	Country-specific[7]
PGH plastic cover	396985
Stylus set	445511
ECG cable 2.8 m (PK-222)	Country-specific[7]
ECG cable 4.0 m (PK-222-L)	Country-specific[7]
ECG electrode clip (PK Electrode Clip)	340293
Accessories bag	445749
Spare parts	Various housing covers[7]

[6] For markets outside the CE region, please check the respective approval status
[7] See technical manual for details and order numbers

PSA pacing parameters	
Pacing (A/RV/LV)	ON ; OFF
Sensing (A/RV/LV)	ON ; OFF
Mode (directly selectable)	DDD , DDI, VDD, VVI, V00, AAI, A00, D00, 0D0
Basic rate	30 ... (1) ... 180 bpm
AV delay	0 ... (5) ... 300 ms
VV delay	-100 ... (5) ... 100 ms
Sensitivity A	0.2 ... (0.1) ... 20 mV
Sensitivity RV/LV	0.5 ... (0.1) ... 20 mV
Amplitude (A/RV/LV)	0.1 ... (0.1) ... 2.0 ... (0.2) ... 5.0 ... (0.5) ... 10 V
Pulse width (A/RV/LV)	0.1 ... (0.1) ... 2.0 ms
LV polarity[8]	LV1 tip → LV2 ring LV1 tip → LV3 ring LV1 tip → LV4 ring LV1 tip → RV ring LV1 tip → RV coil LV1 tip → Can LV2 ring → LV1 tip LV2 ring → LV3 ring LV2 ring → LV4 ring LV2 ring → RV ring LV2 ring → RV coil LV2 ring → Can LV3 ring → LV1 tip LV3 ring → LV2 ring LV3 ring → LV4 ring LV3 ring → RV ring LV3 ring → RV coil LV3 ring → Can LV4 ring → LV1 tip LV4 ring → LV2 ring LV4 ring → LV3 ring LV4 ring → RV ring LV4 ring → RV coil LV4 ring → Can

[8] Pacing polarity is determined by alligator clip connection

PSA cable (order numbers)[9]	
PK-141	353181
PK-67-S	128085
PK-67-L	123672
PK-155	337358
PK-155-B	404027
PA-1-B	123751
PA-1-C	349723
PA-2	123157

[9] For markets outside the CE region, please check the respective approval status

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