

# Ultimate Holter Analysis

## NH-301 Ambulatory System



Norav Medical's **Holter Analysis** System provides complete ambulatory recording up to 14 days, in an advanced and compact device.

Based on Norav Medical's market-leading ECG processing, the systems delivers true 12-3 lead high-quality Holter acquisition.

### NH-301 HOLTER ANALYSIS AMBULATORY ACQUISITION

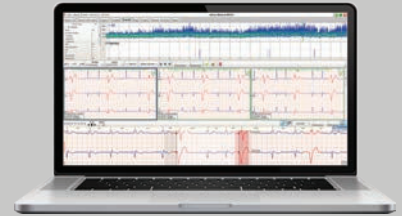
- 2, 3 and 12 Leads ECG
- Up to 14 Day Recording
- Audible Diary Recording
- Patient Physical Activity Monitoring
- Large LCD Display
- Respiration Trends
- Pacemaker Analysis
- Arrhythmia, ST, HRV & QT Report and Analysis

The NH-301 Holter Analysis System functions independently as a standalone application or can be linked to the Norav Medical ECG Management System (NEMS).

### FEATURES

- High Resolution ECG Processing
- Durable, Lightweight & Water Resistant
- Atrial Fibrillation Rhythm Interpretation
- Seamless Integration with HIS / EHR
- Straightforward Installation and User Friendly
- Remote Analysis / Uploader

Norav Medical's NH-301 Holter ECG offers a complete and intuitive true (12-3) lead analysis system in a durable yet compact device. NH 301's non-stop data acquisition over a period up to 14 days makes Holter ECG analysis and monitoring simpler.



Recorder Features		NR-302	NR-314	NR -1207	NR-1207-3
ECG Channels (Patient ECG Cable):					
-	3 Channels (3 Lead Wires)	✓	✓	✓	✓
-	3 Channels (5 Lead Wires)	✓	✓	✓	✓
-	3 Channels (7 Lead Wires)	✓	✓	✓	✓
-	12 Channels (10 Lead Wires)			✓	✓
A/D Resolution: 24 bits acquisition and 12 bits recorded on media		✓	✓	✓	✓
Data transfer mode:	Flashcard reader	✓	✓	✓	✓
	USB 2.0	✓	✓	✓	✓
Wireless hook-up check on PC: Bluetooth® Class1			✓	✓	✓
Wireless transfer of patient info from the PC to the recorder			✓	✓	✓
Simultaneous wireless transmission of online ECG + Holter recording					✓
Operating Time		48 H	336 H*	336 H* / 168 H**	
Lead OFF Detection		Yes			
Pacemaker Pulse Detection		From 0.1 to 2 ms at 2 to 700 mv			
Signal Dynamic Range		± 5 mV			
DC Max. Input		± 800 mV			
Resolution		12 bits (2.44 µV / LSB)			
ECG Sampling Rate		250	250, 500, 1000		
Input Impedance		> 10 MOhm			
CMMR		> 90 dB			
Frequency Range (-3db)		0.05 – 65 Hz	0.05 – 260 Hz		
Memory Capacity		512 MB	2 GB		
Battery		1 x AA size Alkaline or NIMH			
Size		92 x 75 x 23 mm (3.62" x 2.95" x 0.9")			
Respiration (Thorax Impedance Variations Recording)		N/A	Yes		
Patient Physical Activity Monitoring		N/A	Yes		
Voice Note (Audible Diary)		N/A	Yes		
Weight		103 gr (3.63 oz) without the battery			
Safety Standard		IEC 60601-1; IEC 60601-2-47; IEC 60601-1-11			
Operating Temperature		10°C to 45°C (50°F to 212°F)			
Storing Temperature		-20°C to 60°C (-4°F to 140°F)			
Humidity		10 – 95%			
IP Rating		IP22			
Software Features					
Sensitivity		5, 10, 20, 40 mm / mV			
Horizontal Scale		12.5, 25, 50, 100 mm / sec			
Low Pass Filter		Yes	20, 35, 40 Hz		
Base Line Filter		Yes			
Line Noise Filter		50 / 60 Hz			

\* 14 days using 3 channels, 250 s/sec with a lithium battery

\*\*7 days using 12 channels, 250 s/sec with a lithium battery

All Norav Medical products are ISO 13485, CE, 510(k) and Health Canada certified.

