



**NorthEast Monitoring, Inc.**  
*advancing Holter technology™*

## DR200/HE Holter and Event Recorder

Meets EC-38  
standard



14-day Holter  
capability



Multiple  
Language  
capability



Ergonomic  
Design



Proven reliability



Maximize Holter  
and Event  
reimbursements



Reduce artifact  
with low-cost,  
shielded cables



Pacemaker  
detection  
standard



Combination  
Holter and  
Event



Industry-leading  
3-year warranty



The DR200/HE is the industry's first combination 14-day Holter plus Event recorder. It can be deployed to a patient in either Holter or Event mode. In Holter mode with a single, fully charged AA battery and a sufficiently sized data card, the unit can operate as a 14-day Holter. When the DR200/HE is combined with Holter LX Analysis and LX Event software, you have the flexibility to use your capital equipment in the most efficient manner and you've increased the probability of capturing elusive cardiac

events. It is the best solution for your practice and the best solution for your patient, which is another good combination!

The DR200/HE blends the features of the DR200/E "Tel-a-heart" Event recorder (see the DR200/E Data Sheet for complete details) and the established technology of the tried-and-true "workhorse" DR180 series Holter in a single, compact, rugged unit. New advanced DSP hardware and specially designed signal processing algorithms squeeze every milli-watt out of the battery to establish a new price-performance benchmark in ambulatory cardiac monitors. The unit is approximately one-half the size and weight of the DR180 series, has smaller cable profiles for patient comfort, yet adds more functionality and convenience.

When deployed as a Holter, the DR200/HE has either 3-, 5- or 7-lead cables. When deployed as a Tel-a-heart Event monitor, it uses a 2- or 3-lead cable. The DR200/HE kit includes Holter cable, pouch, belt clip, removable media memory card, Operator's Manual and Hook-up Guide.

At NorthEast, we are advancing Holter technology - smaller in size, lower in cost, compatible with all levels of Holter LX Analysis, the industry's best warranty of 3 years, with an optional extension to 5 or more years – the DR200/HE is the technology and quality leader in the industry today.

For more information on the DR200/HE combination Holter and Event Recorder, please contact NorthEast or read on for more details.

# DR200/HE™ Features

- ◆ **Meets EC-38 standard**  
*Meets applicable sections of ANSI/AAMI EC38-1994 "Ambulatory Electrocardiographs."*
- ◆ **14 day Holter capability captures infrequent cardiac events**  
*Efficient low-power design and robust LX Analysis software, version 5.2 or greater, now makes it possible to use the DR200/HE in Holter-mode over a 14-day period to capture infrequent cardiac events without the need to rely on patient interaction or automatic detection.*
- ◆ **Multiple Language Capability**  
*Select from English, Danish, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Russian, Spanish and Turkish.*
- ◆ **Ergonomic design**  
*Large, easy view LCD (liquid crystal display) screen, soft-keys and a very simple user interface make the unit exceptionally easy to use.*
- ◆ **Proven reliability**  
*Built on the platform of the reliable DR180+, there are thousands of Holter units deployed worldwide. Real-world experience is designed into every unit.*
- ◆ **Maximize Holter and Event reimbursements**  
*Our system allows your office to "capture" reimbursement for all components of CPT (Current Procedural Terminology) allowed for Holter and Event. Removable digital storage memory (compact flash) allows for rapid re-deployment of the unit to the next patient.*
- ◆ **Reduce artifact with low cost, shielded cables**  
*Shielded cables provide better signal integrity and noise immunity. Our cables are carefully shielded and impedance matched and provide better SNR than any other cable on the market. Low cost cables drive down the total cost of ownership.*
- ◆ **Pacemaker detection standard**  
*The conflicting requirements for signal sensitivity (wide bandwidth and high sample rate) and long battery life have been uniquely resolved to provide the most accurate diagnostic information.*
- ◆ **Industry-leading 3-year warranty**  
*These units are built-to-last. Our field return rate is proven to be so low that we can offer the industry's longest warranty -- and then extend that to 5 or more years to add even more value to your investment.*
- ◆ **Maximize good quality recording cycles**  
*Checks battery state and lead hook-up quality, date and Patient ID on LCD prior to deployment. No mix-ups with patient data because patient ID is encoded on memory card.*
- ◆ **All digital recording**  
*Reliable digital technology is used throughout, enhancing service life and lowering total cost of ownership.*
- ◆ **Compatible with Holter LX® Analysis and LX Event software**  
*The DR200 Holter recorder is compatible with 5.2 or newer versions of Holter LX Analysis.*

(See DR200/E Data Sheet for additional, event-specific features.)

510(k)K930564

NB: In the U.S.A., Federal Law restricts devices to sale by or on the order of a physician. Not for in vitro diagnostic use. Not intended to replace real-time telemetry monitoring for patients suspected of having life-threatening arrhythmias.

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## DR200/HE Specifications

### Recording duration:

14 days with alkaline battery

### Recording bandwidth:

0.05 - 70 Hz

### Resolution:

12-bit, 12.50  $\mu$ V/LSB

### Sampling rate:

180 samples/second

### Dimensions:

8.6 cm x 6.0 cm x 2.0 cm  
(3.9 in x 2.4 in x 0.8 in)

### Weight:

99.3 grams (3.5 oz), with battery  
70.9 (2.5 oz), without battery

### Power:

1 AA battery: alkaline, NiMH rechargeable,  
or lithium

### Patient Data File Size:

25MB per day

### Distributed by: