



# NorthEast Monitoring, Inc.

*advancing Holter technology™*

## DR300 with Bluetooth technology

Hands-free  
data transfer  
via Bluetooth



Mobile Cardiac  
Telemetry Event



Record as  
Holter, Event,  
or Both



3-, 5-, or 7-wire  
cable for 3CH  
Holter



2- or 3-wire  
cable for Event



Multiple display  
languages



Signal quality &  
battery strength  
displays



Powered by  
1 AA battery



14-day Holter &  
30-day Event



Industry-leading  
3 year warranty



Introducing the DR300 - a revolutionary recorder combining the best of Holter, Event and Mobile Cardiac Telemetry (MCT) in one device.

With the DR300 long-term Holter capability, you will not miss a beat and with MCT Event you will not "tie up" valuable resources any longer than necessary. Deploy the device in the innovative BOTH mode - simultaneous long-term Holter and Event. With MCT turned on, periodically check the events that are sent to your NEMon Analysis Station\*. If the results display conclusive symptoms, call in the patient and

terminate the study before the full period.

**Moving ECG data from patient to analysis station has never been easier.** Event data can be sent (*automagically*) with the built-in Bluetooth connection from the DR300 to the NEMon Gateway, which is placed in the patient's home. In combination with Auto-event, the patient never needs to press a button as their events are sent quietly via a cellular network to the analysis monitoring station. Alternatively, Event data can still be sent by the patient to the analysis station acoustically via a traditional land-line.

**Hands-free data transfer in the office.** When the DR300 has been returned to your office, the magic continues. No need to manually remove SD card to read it into the analysis station. The DR300 will initiate a Bluetooth pair with the analysis station and will transfer data to the analysis station using the NEMon Bluetooth Software solution. Hands-free Bluetooth is not just for your automobile!

**LX EVENT and HE/LX (helix) Analysis are now integrated** after recording in Both-mode. Begin the review with LX EVENT to see the critical transmissions. If while reviewing the data in LX EVENT, it becomes important to view the event in the context of the entire Holter recorder, move to HE/LX (helix) Analysis with the click of the mouse to view the event and the entire Holter recording in total.

**The DR300 blends the features of Holter and Event** in a way that provides the best medicine for your patients and the most value for your investment. New and advanced DSP hardware and specially designed signal processing algorithms squeeze every mW out of the battery to establish a new price-performance benchmark in ambulatory cardiac monitors. The unit is the same size, weight and form factor as its DR200-series predecessor and uses the same accessory items (SD card, pouch, patient cables and belt clip.)

**At NEMon we are always advancing Holter technology.** Smaller in size, lower in cost, compatible with previous versions of analysis software, the industry's best warranty of 3 years, an optional extension to 5 or more years - NEMon is the technology and quality leader in the industry.

\* A complete NEMon Analysis Station consists of HE/LX (helix) Analysis Holter software, LX Event software, DR300 Socket Software, and a Bluetooth USB key.

# DR300 Features

## ◆ Hands-free data transfer via Bluetooth

Place the DR300 in proximity to the analysis station and your data will automatically appear in the proper folder for analysis. No need to remove the SD card. Simply format it in situ and it is set up for the next patient.

## ◆ Mobile Cardiac Telemetry (MCT) Event

The recorder captures the event as usual, and when the patient passes within Bluetooth range of the NEMon Gateway unit, the data is sent via cellular network to the HE/LX (helix) Analysis or LX EVENT monitoring station.

## ◆ Record as Holter, Event, or Both

Deploy the DR300 as a Holter, as an Event or in Both-mode which captures all events which can be transmitted, but keeps a full recording so you do not miss a beat. When Both-mode is coupled with MCT, the events are transmitted automatically and the Holter data is stored on the SD card. The best of Both worlds.

## ◆ 3-, 5-, or 7-wire cables for 3CH Holter

With 3-, 5- or 7-wire patient cables, the DR300 records 3CH of Holter ECG

## ◆ 2- or 3-wire cable for 1CH or 2CH Event

With 2- or 3-wire patient cables, the DR300 records 1CH or 2CH of Event data, respectively.

## ◆ Multiple display languages

The recorders can display instructions and prompts in many different languages, including English, French, Spanish, Portuguese, Italian, Russian, Norwegian and Polish.

## ◆ Signal quality and battery strength displays

In order to maximize the number of good quality recording deployments of the recorder, before the patient leaves the hook-up facility, check to see that the battery is fresh and the lead quality is satisfactory. Check the hook-up quality with the quality metric from 1 (worst) to 5 (best) on the display screen indicating the quality of the electrical connection between the skin and the electrode. Improving that metric is usually a matter of proper skin preparation, proper gel application and the quality of the electrodes.

## ◆ Powered by 1 AA battery

A single AA battery will run for 30 days as an Event recorder, 14 days as a Holter. (Operating with Bluetooth Event or in BOTH mode may reduce these times.)

## ◆ 14-day Holter and 30-day Event

NEMon is the leader in long-term Holter recording with more than 10,000 long-term Holter units deployed world-wide. Ergonomically designed, the DR300 maximizes the potential for obtaining informative, clear data on which to base medical decisions.

## ◆ 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.



# DR300 Specifications

## Recording duration:

14 days with alkaline battery- Holter  
30 days with alkaline battery- Event

## 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 (Holter)

## Distributed by:

510(k)K142424

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.

October 2016



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