



NorthEast Monitoring, Inc.

advancing Holter technology™

DR181 Digital Holter Recorder, 3CH

Meets EC-38
standard



Ergonomic
design



Proven
reliability



Maximize
Holter
reimbursements



Reduce artifact
with shielded
cables



Pacemaker
detection
standard



Foreign
language
interfaces



Industry-leading
3-year warranty



The DR181 is the latest version of the reliable and popular DR180 series.

The DR181 3CH (3 channel) comes in a 5- or 7-lead configuration. It is designed with the following three goals in mind: ease-of-use for the patient and clinician, accuracy of data, and durability of the unit. Large, programmable soft-keys, easy-to-read, multi-line LCD and several foreign language options are among the features that distinguish this "tried and true" unit. Its extra battery capacity makes it perfect for long Holter studies of up to 72 hours.

It performs as well in a small practice as in a large clinic or full service (scanning) provider. Built-in safeguards insure deployment with sufficient battery levels, high-quality lead hook-ups and complete patient ID. The DR181 prevents identification mix-ups by storing Patient ID on removable media. DR181 units may be rapidly re-deployed to the next patient while patient data is analyzed from the removable media.

All units are rugged and built to last. They carry the industry's best warranty of 3 years, along with optional extensions to 5 or more years. Choose the best unit for your application.

A number of key features make these units the quality and technology leader in the industry today. Contact NorthEast or read on for more details.

DR 181 Features



◆ Meets EC-38 standard

Meets applicable sections of ANSI/AAMI EC38-1994 "Ambulatory Electrocardiographs."

◆ Ergonomic design

Large, easy view screen and soft-keys make the unit exceptionally easy to use. The large Event marker button operates in conjunction with interactive and customizable patient diary via user-programmable soft-keys.

◆ Proven reliability

Thousands of Holter units are in use worldwide. Real-world experience is designed into every unit.

◆ Maximize Holter reimbursements

Our system allows your office to "capture" reimbursement for all applicable CPT (Current Procedural Terminology) codes for Holter. Removable digital storage memory (compact flash) allows rapid re-deployment of the unit to the next patient

◆ Reduce artifact with 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. Active electronics built into the cable accurately capture oximetry data..

◆ 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 highly accurate diagnostic information.

◆ Foreign language interfaces

Multiple foreign languages are programmed into each unit to suit diverse patient populations. Currently support Danish, English, Finnish, French, German, Italian, Polish, Portuguese, Spanish and Turkish.

◆ 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.

◆ Cable options

May be used with 5-lead, 7-lead or Oxymetry (oxy plus 5-lead) cables.

◆ Maximize good quality recording cycles

Checks battery state, 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 NorthEast Holter LX® Analysis software

The DR181 3-channel recording mode is compatible with v5.2 or newer version of Holter LX Analysis. The DR181 in either OxyHolter (this includes analysis for OSA, i.e., Sleep) or the 12-lead mode requires v5.4b or newer version of Holter LX Analysis.

DR181 Digital Recorder Specifications

Recording duration:

72 hours, with lithium batteries
48 hours, with alkaline batteries
24 hours, with rechargeable batteries

Recording bandwidth:

0.05 - 70 Hz

Resolution:

12-bit, 12.50 µV/LSB

Prefilter sampling rate:

1440 samples/second

Dimensions:

12.3 cm x 7.0 cm x 2.4 cm
(4-7/8 in x 2-3/4 in x 1.0 in)

Weight:

184 grams (6.5 oz.), with batteries and SD card;
136 grams (4.8 oz.), without batteries

Power:

2 AA batteries: alkaline, rechargeable or lithium

Storage capacity:

32 MB - 2 GB SD flashcard

Distributed by:

510(k)K001288

NB: In the U.S.A., Federal Law restricts devices to sale by or on the order of a physician. 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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