

## ECG Holter Recorders

# Model 1304/1305



Vasomedical-BIOX™ 1305  
3-Channel ECG Holter Recorder

Vasomedical-BIOX™ 1304  
12-Channel ECG Holter Recorder

The Vasomedical-BIOX™ 3-Channel and 12-Channel ECG Holter recorders are pager sized and lightweight - the first choice when reliable, accurate information needs to be obtained in 24, 48 or 72 hour recording sessions.

### ADVANCED TECHNOLOGY

- Innovative engineering in component design produces smaller and lightweight recorders (3.3 x 2.3 x 0.8 inches<sup>3</sup> / 84 x 58 x 20 mm<sup>3</sup> and 2.45 oz / 70 g excluding AA battery)
- High resolution and sample rate enable high quality ECG signal capture with less artifact
- Advanced amplifier and A/D converter design allows for exceptional signal fidelity
- Independent pacemaker and VLP detection
- Low power consumption - one AA battery allows recording for 72 hours

### CONVENIENCE AND EASE OF USE

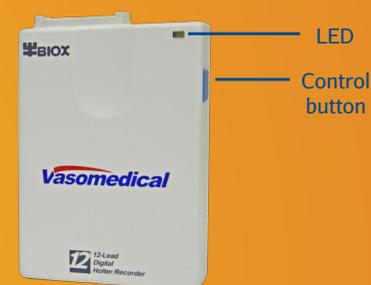
- Advanced integration design is highly reliable and is shock and vibration resistant
- Easy-to-use single button operation and 3-color LED window enables quick setup
- Both models allow for presetting of patient information to facilitate hook-up
- Wireless infrared interface enables real-time monitoring during setup
- Removable SD memory card enables quick data transfer and turnaround of the recorder

**Vasomedical**™ **BIOX**™

# VASOMEDICAL-BIOX 1304/1305 SPECIFICATIONS

## GENERAL

- ▶ Accessories:
  - 2 GB SD memory card
  - USB SD memory card reader
  - 5 or 7 lead ECG patient cable (Model 1305)
  - 10 lead ECG patient cable (Model 1304)
  - Carrying case & strap
  - Infrared communication adapter
  - Recorder user manual
  - User Software CD
- ▶ Recording time: 24, 48 or 72 hours
- ▶ Storage medium: SD card
- ▶ Memory size: 1 GB or more
- ▶ Data transfer: Full disclosure transfer via USB card reader; Setting and real-time data transfer via infrared port
- ▶ Batteries: 1 "AA" size alkaline battery
- ▶ Dimensions: 3.3 x 2.3 x 0.8 (inches<sup>3</sup>) / 84 x 58 x 20 (mm<sup>3</sup>)
- ▶ Weight: 2.45 oz / 70 g (without batteries)
- ▶ Case material: ABS plastic
- ▶ Operation Environment:
  - Temperature: 50 - 104°F / 10 - 45° C
  - Relative humidity: 10 - 95%
  - Atmospheric pressure: 646.6 - 797mmHg / 86 - 106 kPa
- ▶ Regulatory compliance: FDA Cleared / CE Marked / Health Canada Listed  
ISO 13485 Certified



Vasomedical BIOX™ 1304/1305 Front View

## ECG

- |                            | Model 1305  | Model 1304 |
|----------------------------|---|------------|
| ▶ No. of ECG channels      | 3   | 12         |
| ▶ No. of ECG electrodes:   | 5 or 7  | 10         |
| ▶ Pacemaker detection:     | Specified during setup (using software)   |            |
| ▶ Input dynamic range:     | ±5 mV ECG, ±300 mV DC offset voltage  |            |
| ▶ Input impedance:         | >10 MΩ  |            |
| ▶ CMMR:                    | >80 dB  |            |
| ▶ Gain accuracy:           | Maximum amplitude error <10%  |            |
| ▶ Gain stability:          | Change <3% over a 24-hour period  |            |
| ▶ System noise:            | <50 μVp-v   |            |
| ▶ Multi-channel crosstalk: | <0.2 mVp-v  |            |
| ▶ Bandwidth:               | 0.05 Hz - 40 Hz (±3 dB)   |            |
| ▶ Minimum feature size:    | 50 μVp-v  |            |
| ▶ Timing accuracy:         | Overall error during 24-hour period <30 s   |            |
| ▶ Sampling rate:           | 256 Hz/channel<br>10,000 Hz/channel for pacemaker detection<br>1,000 Hz/channel with SAECG option |            |
| ▶ Resolution:              | 10 bit<br>12 bit with SAECG option  |            |



Vasomedical BIOX™ 1304/1305 Back View



Vasomedical BIOX™ 1304/1305 Side View