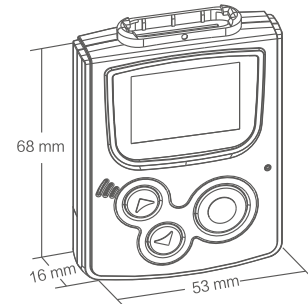




BI 9800TL+ Series Recorder



Highlight Features

Recording: 12-lead or 3-channel ECG
Compact size: 68 mm x 53 mm x 16 mm
Operating time: Up to 7 days
Sampling rate: Up to 1024 Hz / 16 Bit
Display: LCD, 128 x 64 dot matrix
Storage medium: Removable SD card
Data transfer: Hi-Speed USB, Card reader
Pacemaker detection: Yes

Features

- Compact Size, Light Weight**
 68mm × 53mm × 16mm
 42 grams (battery not included)
- Fully Programmable, High Fidelity, Research Grade Performance**
 Sample rate up to 1024 samples per second
 No data compression
 8, 10, 12 or 16 bit resolution
- Multifunction**
 3 or 8, bipolar or unipolar channels, automatic selection via patient cable.
- Removable SD Card**
 2GB records up to 168 hours of 3-channel ECG
- 128x64 Dot Matrix LCD Display**
 Visual confirmation of patient hook up
 Provides on demand ECG review of all channels
 Confirms programming instructions before recording
- Programmable Pacemaker Detection**
 Real time detection and display of pacemaker pulse
- Lower Power Consumption**
 Powered by single AAA battery
 24h, 48h or 7 days of full disclosure
- Multi-languages Available**



BI[®] Mini Holter Recorder

BI 9800TL+ 12 / BI 9800TL+ 3 / BI 9800TL+ 7D



Technical Data

■ BI 9800TL+12 only ■ BI 9800TL+3 only ■ BI 9800TL+7D only

General

Dimensions	68 mm x 53 mm x 16 mm
Weight (w/o battery)	42g
Battery	1 x 1.5V Alkaline (LR03 /AAA)
	1 x 1.2V NiMH (AAA)
	1 x 1.5V Lithium (FR03/AAA)
Operating time	■ 48 h ■ 96 h ■ 168 h
Controls	3 keys, multi-lingual
Display	LCD, 128 x 64 dot matrix
Connectors	Patient cable data transfer (USB)
Available patient cables	■ ■ 4 Leads, 3 bipolar channels (CH1=CM5, CH2=CC5, CH3=CM5R)
	■ ■ 5 Leads, 3 bipolar channels (CH1=CM5, CH2=aVF, CH3=lead II)
	■ ■ 5 Leads, 3 unipolar channels (CH1+, CH2+, CH3+, COM-, RL)
	■ ■ 7 Leads*, 3 independent bipolar channels (CH1±, CH2±, CH3±, RL)
	■ 10 Leads * (Einthoven, Goldberger, Wilson leads)

Parameters

Lower cut-off frequency	0.05 Hz
Upper cut-off frequency	60 Hz
Input dynamic range	± 5 mV
Offset voltage range	± 300 mV
Pacemaker detection	Unipolar, bipolar and biventricular systems
Pulse width	0.1 ~ 2 ms
Pulse amplitude	2~200mV
Lead-off detection	Yes

* Complies with AHA/IEC Standard

Memory

Storage type	Removable SD card
Sampling rate	1024 Hz
Resolution	8Bit / 10Bit / 12Bit / 16Bit
Data storage	Max. ■ 512 Hz ■ 1024 Hz
Memory capacity	≤ 32G
Data transfer mode	Hi-Speed USB 2.0
Data transfer time	< 10 s (for 24h ECG)

Classifications

Product classification	IIa in accordance with 93 / 42 / EEC
Classification of applied part	Type CF (Cardiac Floating)
UMDNS code	12-388

Operating conditions

Temperature	5 ~ 45 °C
Relative humidity	10 ~ 95 %, non-condensing

Storage and transport conditions

Temperature	-20 ~ 65 °C
Relative humidity	5 ~ 95 %, non-condensing



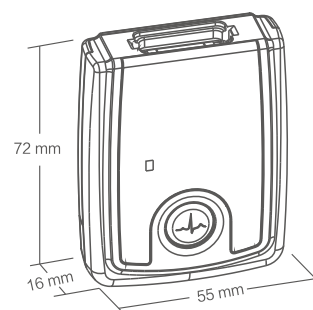
ISO9001:2008
ISO13485:2012



BI[®] Sprite Holter Recorder



BI 6600 Series Recorder



Highlight Features

Recording: 12-lead or 3-channel ECG

Optional SPO₂ *

Compact size: 72 mm x 55 mm x 16 mm

Operating time: Up to 7 days

Sampling rate: Up to 1024 Hz/16 Bit

Storage medium: Removable SD card

Data transfer: Hi-Speed USB, Card reader, Bluetooth[®] *

Pacemaker detection: Yes

Items with * are optional advanced functions.

Features

- **Compact Size, Light Weight**
72mm × 55mm × 16mm
45 grams (battery not included)
- **Fully Programmable, High Fidelity, Research Grade Performance**
Sample rate up to 1024 samples per second
No data compression
8, 10, 12 or 16 bit resolution
- **Multifunction**
3 or 8, bipolar or unipolar channels, automatic selection via patient cable.
- **Lower Power Consumption**
Powered by single AAA battery
24h, 48h or 7 days of full disclosure
- **Removable SD Card**
2GB records up to 168 hours of 3-channel ECG
- **Programmable Pacemaker Detection**
Real time detection and display of pacemaker pulse
- **24 Hours SPO₂ Measurement ***
Sensor of forehead or finger
- **Wireless Transmission***
Visual confirmation of patient hook up
12-lead or 3-channel ECG preview on PC





BI® Sprite Holter Recorder

BI 6600-12 / BI 6600-3 / BI 6600-7D



Technical Data

■ BI 6600-12 only ■ BI 6600-3 only ■ BI 6600-7D only

General

Dimensions	72 mm x 55 mm x 16 mm
Weight (w/o battery)	■ 47g ■ ■ 45g
Battery	1 x 1.5V Alkaline (LR03 /AAA) 1 x 1.2V NiMH (AAA) 1 x 1.5V Lithium (FR03/AAA)
Operating time	■ 48 h ■ 96 h ■ 168 h
Controls	Single key
Connectors	Patient cable USB data transfer
Available patient cables	■ ■ 4 Leads, 3 bipolar channels (CH1=CM5, CH2=CC5, CH3=CM5R) ■ ■ 5 Leads, 3 bipolar channels (CH1=CM5, CH2=aVF, CH3=lead II) ■ ■ ■ 5 Leads, 3 unipolar channels (CH1+, CH2+, CH3+, COM-, RL) ■ ■ 7 Leads*, 3 independent bipolar channels (CH1±, CH2±, CH3±, RL) ■ 10 Leads* (Einthoven, Goldberger, Wilson leads)

Parameters

Lower cut-off frequency	0.05 Hz
Upper cut-off frequency	60 Hz
Input dynamic range	± 5 mV
Offset voltage range	± 300 mV
Pacemaker detection	Unipolar, bipolar and biventricular systems
Pulse width	0.1 ~ 2 ms
Pulse amplitude	2~200mV
Lead-off detection	Yes

* Complies with AHA/IEC Standard

Memory

Storage type	Removable SD card
Sampling rate	1024 Hz
Resolution	8Bit / 10Bit / 12Bit / 16Bit
Data storage	Max. ■ 512 Hz ■ 1024 Hz
Memory capacity	≤ 32G
Data transfer mode	Hi-Speed USB 2.0
Data transfer time	< 10 s (for 24h ECG)

Wireless transmission*

Wireless transmission	Bluetooth® 2.0 + EDR, Class 2
Range (free field)	Min. 5 m
HF frequency range	2.4 ~ 2.5 GHz ISM-Band HF
Output	0.5 ~ 4.5 dBm

Classifications

Product classification	IIa in accordance with 93 / 42 / EEC
Classification of applied part	Type CF (Cardiac Floating)
UMDNS code	12-388

Operating conditions

Temperature	5 ~ 45 °C
Relative humidity	10 ~ 95 %, non-condensing

Storage and transport conditions

Temperature	-20 ~ 65 °C
Relative humidity	5 ~ 95 %, non-condensing

Items with * are optional advanced functions.



ISO9001:2008
ISO13485:2012

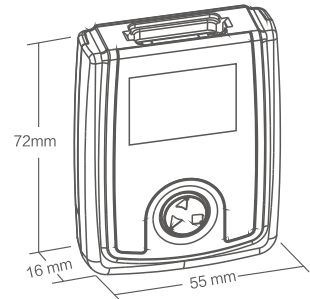


BI[®] Smart Holter Recorder



Recommended recorder for pacemaker detection.

BI 6800 Series Recorder



Highlight Features

Recording: 12-lead or 3-channel ECG

Compact size: 72 mm x 55 mm x 16 mm

Operating time: Up to 7 days

Sampling rate: Up to 1024 Hz/16 Bit

Display: LCD, 128 x 64 dot matrix

Storage medium: Removable SD card

Data transfer: Hi-Speed USB, Card reader

Pacemaker detection: Yes

Features

- **Compact Size, Light Weight**
72mm × 55mm × 16mm
48 grams (battery not included)
- **Fully Programmable, High Fidelity, Research Grade Performance**
Sample rate up to 1024 samples per second
No data compression
8, 10, 12 or 16 bit resolution
- **Multifunction**
3 or 8, bipolar or unipolar channels, automatic selection via patient cable.
- **Removable SD Card**
2GB records up to 168 hours of 3-channel ECG
- **128x64 Dot Matrix LCD Display**
Visual confirmation of patient hook up
Provides on demand ECG review of all channels
Confirms programming instructions before recording
- **Programmable Pacemaker Detection**
Real time detection and display of pacemaker pulse
- **Lower Power Consumption**
Powered by single AAA battery
24h, 48h or 7 days of full disclosure
- **Multi-languages Available**





BI® Smart Holter Recorder

BI 6800-12 / BI 6800-3 / BI 6800-7D



Technical Data

■ BI 6800-12 only ■ BI 6800-3 only ■ BI 6800-7D only

General

Dimensions	72 mm x 55 mm x 16 mm
Weight (w/o battery)	■ 49g ■ ■ 48g
Battery	1 x 1.5V Alkaline (LR03 /AAA) 1 x 1.2V NiMH (AAA) 1 x 1.5V Lithium (FR03/AAA)
Operating time	■ 48 h ■ 96 h ■ 168 h
Controls	3 keys, multi-lingual
Display	LCD, 128 x 64 dot matrix
Connectors	Patient cable USB data transfer
Available patient cables	■ ■ 4 Leads, 3 bipolar channels (CH1=CM5, CH2=CC5, CH3=CM5R) ■ ■ 5 Leads, 3 bipolar channels (CH1=CM5, CH2=aVF, CH3=lead II) ■ ■ ■ 5 Leads, 3 unipolar channels (CH1+, CH2+, CH3+, COM-, RL) ■ ■ 7 Leads*, 3 independent bipolar channels (CH1±, CH2±, CH3±, RL) ■ 10 Leads* (Einthoven, Goldberger, Wilson leads)

Parameters

Lower cut-off frequency	0.05 Hz
Upper cut-off frequency	60 Hz
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Pacemaker detection	Unipolar, bipolar and biventricular systems
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Lead-off detection	Yes

* Complies with AHA/IEC Standard

Memory

Storage type	Removable SD card
Sampling rate	1024 Hz
Resolution	8Bit / 10Bit / 12Bit / 16Bit
Data storage	Max. ■ 512 Hz ■ 1024 Hz
Memory capacity	≤ 32G
Data transfer mode	Hi-Speed USB 2.0
Data transfer time	< 10 s (for 24h ECG)

Classifications

Product classification	IIa in accordance with 93 / 42 / EEC
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Operating conditions

Temperature	5 ~ 45 °C
Relative humidity	10 ~ 95 %, non-condensing

Storage and transport conditions

Temperature	-20 ~ 65 °C
Relative humidity	5 ~ 95 %, non-condensing

Recommended recorder for pacemaker detection.



ISO9001:2008
ISO13485:2012





ECGLab Holter Software

About Us

Since its founding in 1993, Biomedical Instruments (BI) has focused on R&D and manufacturing of Holter System. After 20 years of hard work, BI has become China's most competitive professional Holter System manufacturer.

- World-class Holter ECG developer & OEM provider
- Exported to more than 60 countries
- CE, ISO9001 & ISO13485 Certificates
- Testing against MIT and AHA database, QRS detection is 99.8% accurate.

System Composition

Holter System is composed of computer, printer, ECGLab Software and Holter recorder.

ECGLab Highlights

- Multi-channel Analysis
- QRS Template Classification
- Automatic Arrhythmia Analysis
- ST Segment Measurement
- Pacemaker Analysis
- Lorenz Plot Edit*
- A-Fib Detection and Edit
- Waterfall Tools on A-Fib Edit*
- HRV Analysis
- HRT Analysis
- T-wave Alternans*
- Deceleration Capacity of Heart Rate*
- Late Potentials (SAECG)*
- QT Analysis
- Vectorcardiogram (VCG)*
- Obstructive Sleep Apnea (OSA) Syndrome Analysis
- Available Multi-user Analysis
- Powerful Database Management Function
- Fully networkable using BI Cardiology Information System(CIS)
- Support HL7*/XML/DICOM*/GDT
- Seamless Connectivity to HIS

Items with * are optional.

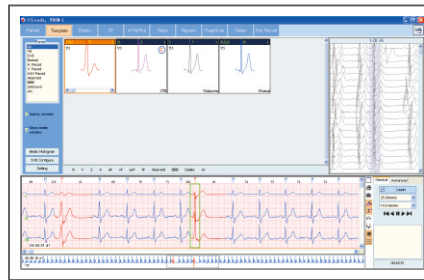
Software Package

Security key	1pc
Installation CD	1pc
USB cable	1pc
SD card reader*	1pc
Operation manual	1pc

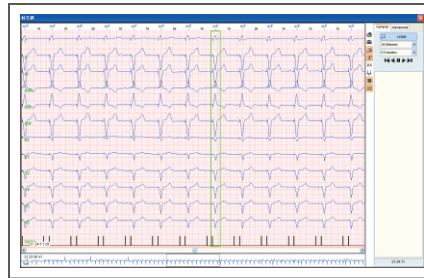
Items with * are optional.

PC Specification Requirements

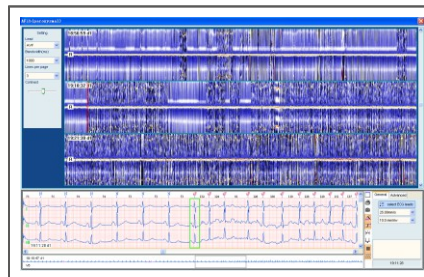
Processor: Intel Pentium 2.8G or above
RAM: 2GB or above
Hard Drive Capacity: 320G or above
Operating System: Windows 2000/XP/7/8
USB Ports: 2 free or more
Network Interface: 10/100/1000
Archive: CD-RW/DVD-RW
Minimum Graphics: 1024*768
Printer: Laser printer



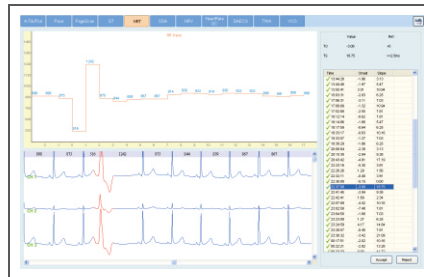
QRS Template Classification



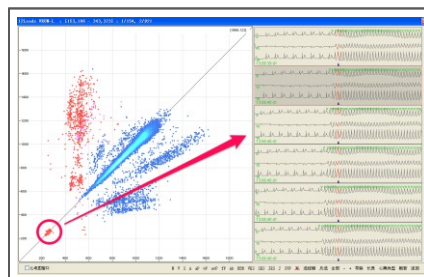
Pacemaker Analysis



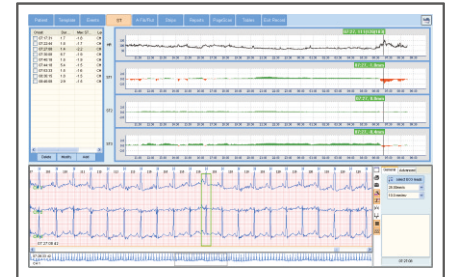
Waterfall Tools on A-Fib Edit*



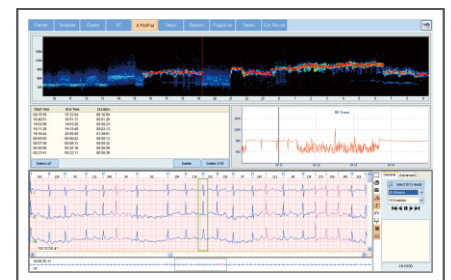
HRT Analysis



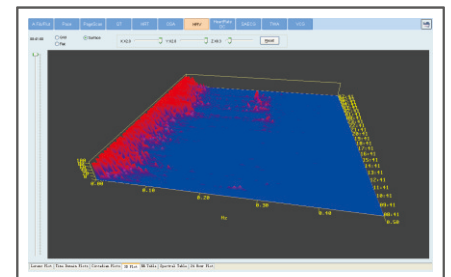
Lorenz Plot Edit *



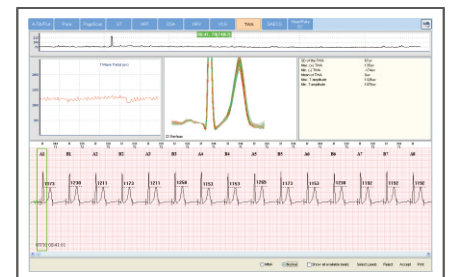
ST Segment Measurement



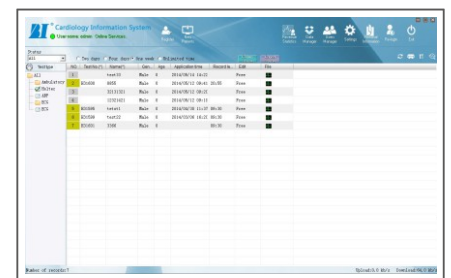
A-Fib Detection and Edit



HRV Analysis



T-Wave Alternans *



BI Cardiology Information System(CIS)*

HPRA Wholesalers authorisation No. W00426/00001

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