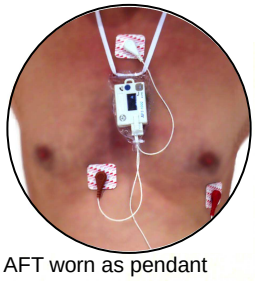
AFT1000 serie
HOLTER recorders

A high technology for ambulatory ECG monitoring



AFT worn with the elastic belt with permanent electrodes



AFT worn as pendant

ALL THE QUALITIES YOU WANT :

- ✓ **Small and light** : 41 x 65x 14,5mm, 28g without battery
- ✓ **Economics** : 1 battery for 20 standard recordings, 3 electrodes.
- ✓ **Embedded** graphic screen to control time – date –battery and ECG signal
- ✓ **Very easy** to use : arrhythmia detection, follow-up, pediatric, sport medecine…
- ✓ Access to **long term recording** to detect syncope, PAF….

QUALITY

- Short cables reduce noises
- High sampling frequency for an excellent ECG reproduction
- High quality input amplifiers
- Recording of patients with Pace-maker

COMFORT

- Wearing as pendant
- High satisfaction rate of patients

RELIABILITY

- Internal chip flash memory to avoid risks of bad contacts
- ECG data cannot be erased till memory is downloaded to the PC
- Disposable pouch to protect the device and avoid nosocomial transmission

LONG TERM

- Continuous recording of ECG up to 22 days

ECONOMICAL

- 1 standard alkaline battery up to twenty recordings
- 1 standard alkaline battery up to twenty two days of recording.

AND …

- Trans-telephonic transmission of the ECG (option)
- Recording of environment data (battery, temperature, spatial position…)
- Fast transfer to the PC with USB2 : 4s/24h.

Each recorder is delivered with a 2 channels ECG cable for 250 samples per second and the Quick Reader® software to download and read ECG data on a Windows (XP, Vista, 7, 8…) based PC. User's guide for the recorder is in the memory of the recorder (in pdf format). The Quick Reader software has its own hypertext help file.

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Product specifications

ECG features:

- Recording ..... Without compression, 22,5Mbytes/channel/24h at 250Hz
- Channels..... 1 to 3 channels, depending of the ECG cable.
- Resolution ..... 12 bit,10µV in standard & 2,5µV in high quality (HQ) mode
- Sample rate..... 250Hz (standard) & 1000Hz (HQ)
- Frequency response ..... 0.05Hz to 80Hz (400Hz HQ) -3dB
- Storage..... Flash internal memory 0,5 to 1 Gbyte
- Pace-maker spikes detection ..... on all channels (HQ recording recommended)

Electrical:

- Input impedance..... 40M between 2 leads
- CMR ratio ..... >60dB from 10 to 120Hz
- Power consumption..... <3mW (250Hz 2 tracks)

Environment recording:

- Battery voltage ..... resolution 10mV, 0.1Hz
- Temperature ..... resolution 0.1°C, ±3°C, 0.1Hz
- Spatial position (optional) ..... X,Y, Z accelerometers. 0.1Hz
- Leads impedances ..... permanent measurement (used by the scanner: recognizes disconnected electrodes periods)

Physical:

- Dimensions..... 41 x 65 x 14,5mm (1,61" x 2,56"x 0,57")
- Weight *with battery* ..... 28g (1 oz) without battery, 42g (1,5 oz) with battery.
- Enclosure ..... Molded polycarbonate hard plastic.
- Display..... Build in graphic OLED.

ECG connectors:

- 2 channels 3 wires 250 s/s ..... delivered with the device, for Holter or long term follow up
- 2 channels 3 wires 250 s/s & 1000s/s ..... for standard Holter and pace-maker follow up
- 3 channels 4 wires 250 s/s ..... for 3 channels Holter in rhythmology or ST analysis.
- 2 bipolar ch. 5 wires 250 s/s *&1000s/s* ..... for 2 channels standard Holter & *HQ*
- 3 bipolar ch. 7 wires 250 s/s *&1000s/s* ..... for 3 channels standard Holter *&HQ*
- 3 bipolar ch. 7 wires 250 s/s *&1000s/s* ..... for vectocardiogram and 12L ECG reconstruction with Quick Reader
- Respiratory flow sensor + 2 ch. ECG..... Holter + SAS detection

Battery:

- Type..... 1 x AAA (LR3) alkaline or rechargeable NiMH battery
- Life:..... 22 days with 1200mAH battery (2 channels 250Hz)
- Battery change ..... Restart automatically recording, without erasing previous.

Teletransmission by phone (option):

- Method ..... Frequency modulation 1900 Hz± 100Hz/mV.
- Transmission of : ..... Channel A or selected channel on display

Set-up:

- Adjustment (no. channels):..... automatically (automatic ECG connector identification)
- Adjustment to start..... in case of 250/1000Hz ECG cable, acquisition frequency.
- Name of the patient ..... To write on the case and/or to enter in the file

Environment:

- Operating temperature: ..... 0°C (32°F) to 45°C (113°F)
- Non-operating temperature:..... -20°C (-4°F) to 65°C (149°F)
- Operating Humidity..... 10% to 95% (non condensing)

Warranty..... 2 years

Models: AFT24 ..... maximum recording duration 1 days
AFT1000-01-A..... maximum recording duration 10 days*
AFT1000-01-B ..... maximum recording duration 22 days*
AFT1000-01-B-XYZ ..... Same with spatial position sensor:
* : 2 channels 250Hz

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Specification subject to change, please contact our local partner for the latest data.

For your first installation, Holter Supplies proposes to you a Kit Holter (ref.:KTH-00 24, A or B) **including all what you need for immediate effectiveness:**
A suitcase with: 1 Holter recorder 24h, A or B +guide, 1 pack of 50 protective pouches, 10 adjustable lanyards, a USB cable for the download, an analyzing software on Windows® Quick Reader standard and 1 AAA battery.

Look at the web site to get all informations about our products: www.holtersupplies.com

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