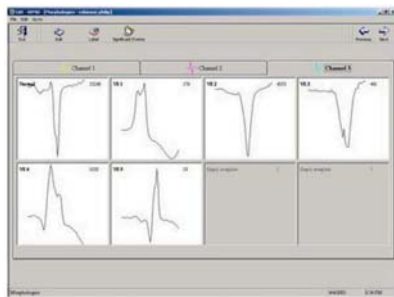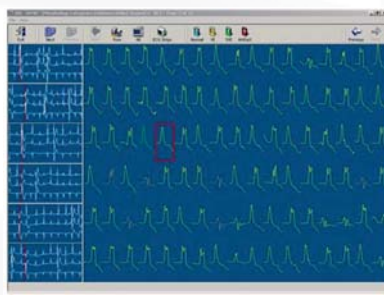# WinTer Holter Analyzer Software

The New Galix Holter Analyzer model WinTer is an extremely powerful tool for the medical professional for use in the detection and evaluation of cardiac arrhythmias. This software is used in conjunction with the GBI-3S Holter Recorder. It allows the user to modify channel gain, polarity, disable a channel in the case of a bad recording in that single channel. It also presents the user with statistical graphs depicting time & frequency domains of HRV, signal quality record verification, ST-deviation, beat classification. The possiblity to record audio comments using a PC-microphone, Sleep Apnea, Atrial Fibrillation, Pacemaker analysis, new complete standardized report are some of the new features that have been added to this software.

The calculations, algorithms, and analysis techniques used by the WinTer Software package are recognized by FDA. After the Holter exam has been conducted, and the respective ECG data recorded onto the Secure Digital card, the user can then download this information to the PC, where analysis is then performed. Navigate through the presentation below and see what this software package has to offer.

The morphology screen allows all beats with similar characteristics to be grouped into categories represent the following morphologies: Supraventriculard Ectopics (SVE), Ventricular Ectopics (VE), Artifacts(A) and Normals (N).

Similar to others screens, this one also handles the channels in a "file tab" manner with respective morphology categories for each channel. By double-clicking on the morphology of choice , the operator can: accept the beat classifications made by the program or Re-Classify it according to his/her interpretation with any of the morphology classifications shows above.

This screen is where the Re-classifications of the beats takes place. On the large window on the right , the user can classify beats according to their morphology. The program will automatically classify all beats. It is necessary that the operator participate in the classification and re-classification process to maximize efficiency of the exam at hand. Classifications can be performed on a row-by-row basis or individual beats. The classifications are: Normal, SVE, VE and Artifact. By double-clicking on a particular beat, the corresponding ECG strip is shown. On the left user can observe the trend that included that particular beat.

The significant event screen option is a very important editing feature of the Holter Program. The main task performed is the review/verify of the automatically capture events following categories: ventricular, tachycardia, supraventricular tachycardia, Heart Rate above and below pre-defined limits, pauses, couplets, triplets, ventricular bigeminy, supreventricular bigeminy, ventricular trigeminy, supraventricular trigeminy, maximun Heart Rate, supraventricular ectopics, atrial fibrillation, paced beats, etc.

Any significant event ECG strip saved during the analisys is automatically incorporated in the final report if desired. The use will be able to identify a significant event by it's blue color.

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3SM ECG Holter Recorder

The new 3SM ECG Holter Recorder is a good example of how good things come in small packages.

Unbeatable features like up to 72 hs., high resolution, 3 channel, ECG Holter recording (up to 1000 samples per second, a graphic built-in screen to monitor the signal, a robust, ergonomic enclosure and a comfortable patient connection (patients carry it like a necklace) are just a few of the features that make the difference.

Mecamed Corp, an active company in the worldwide cardiology market, wants to invite you to visit out website www.mecamed.com, to know the new generation solutions that we can offer you.

GBI-3SM ECG Holter Recorder Technical Specifications

- Ultra slim design …………………………….. 3" W x 2.3" H x 0.65" D (76 mm x 57 mm x 16 mm)
- Light Weight ………………………………… approximately 2 ounces/less than 60 grams
- Power Supply ………………………………. 1 (one) AAA size alkaline battery
- ECG Graphic & alphanumeric display …… for display of all 3 ECG channel and data
- Programmable Sampling Rate …………… 256-512 or 1000 samples/sec
- Pacemaker pulse detection ………………. Can detect pacer pulse as small as 0.25 ms width
- Recording capacity ………………………… 24, 48, 72 hours w/only one AAA alkaline battery
- Frequency response ……………………….. 0.05 100 Hz
- Ergonomic enclosure ………………………. ABS proprietary enclosure
- Unique patient cable ……………………….. 7 leads for true 3 channel recording
- Recording media: SD (Secure digital) Card Std 512 Mb (Higher capacity optional)
- Download to analyzer ……………………… via an SD card reader
- Event Button ……………………………….. with tactile and audible feedback
- Worn in a necklace position ………………. Comfortable and discreet for the patient
- Versatile, user friendly interface ………….. Interactive screen for ECG display, clock and setup
- Delivered in an elegant case ……………… shock resistant, watertight and dustproof.

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