



# Ritmic<sup>®</sup> MODULE


## arrhythmia simulation for TechPatient<sup>®</sup>

45 different selectable rhythms, including sinus, ventricular and nodal rhythms, electric blocks and more

automatic sequencing for demonstration or for general medicine, cardiology, ACLS or BLS teaching

real life noise sources can be added to the arrhythmia waveforms to improve product testing



Place an  
online order 



The **Ritmic Module** is an Arrhythmia Simulation Software Module installed on the **TechPatient CARDIO V4** ECG simulator, that converts it into a full featured Arrhythmia Simulator.

It provides access to a 12-leads dataset of 45 cardiac rhythms designed for general medicine, cardiology, BLS and ACLS teaching.

This dataset is also useful for diagnostic equipment developers, that need to challenge their designs and make sure they work within specs for those who need them the most.

Automatic rhythm sequencing is also a key feature for medical equipment retailers and manufacturers, who need an eye catching performance on trade shows and promotional videos. The random mode enables teachers to have their students recognize the different arrhythmias.



**TPCV4 OPERATOR'S MANUAL**  
Manual for TechPatient CARDIO V4



**SP02EN SPECIAL PROCEDURE**  
Manual calibration procedure for TPCV4



**RITMIC MODULE USER MANUAL**  
Manual for arrhythmia simulation module



**CALIBRTION CERTIFICATE SAMPLE**  
Sample calibration procedure for TPCV4



- AMPLITUDE** ⚙️ ½mV, 1mV, 2mV, 4mV
- NOISE SOURCES** ⚙️ line, ripple, random, baseline w., tremor
- LEADS** ⚙️ 12 (snap, banana, pin)
- HIGH SIGNAL OUTPUT** ⚙️ 200x lead II plus DC
- CARDIAC RHYTHMS** ⚙️ Normal Sinus Rhythm + 44 arrhythmias
- RHYTHM TYPES** ⚙️ Sinus, nodal, ventricular, supra ventricular, conduction defects, pacer waveforms, special rhythms.
- AUTOMATIC MODE** ⚙️ Sequential and Random

When reliability is crucial, our products are up to the challenge.

- SINUS RHYTHMS**
- Normal Sinus Rhythm
  - Sinus Bradycardia
  - Sinus Tachycardia
  - Sinus Respiratory Arrhythmia
  - Sinus Exit Block
  - Sinus Arrest
  - Sinus Rhythm with PAC
  - Sinus Rhythm with PNC / PJC
  - Sinus Rhythm with PVC

- CONDUCTION DEFECTS**
- 1st Degree AV Block
  - 2nd Degree Type I Av Block
  - 2nd Degree Type II Av Block
  - 2nd Degree 2:1 Av Block
  - 3rd Degree Av Block
  - Left Bundle Branch Block
  - Right Bundle Branch Block

- SV RHYTHMS**
- Supraventricular Tachycardia
  - Atrial Flutter
  - Atrial Fibrillation
  - Atrial Bigeminy
  - Atrial Trigeminy

- NODAL RHYTHMS**
- Nodal (Junctional) Rhythm
  - Accelerated Nodal (Junctional) Rhythm
  - Nodal (Junctional) Tachycardia
  - Nodal (Junctional) Bigeminy
  - Nodal (Junctional) Trigeminy

- VENTRICULAR RHYTHMS**
- Idioventricular Rhythm
  - Accelerated Idioventricular Rhythm
  - Monomorphic Ventricular Tachycardia
  - Torsades de Pointes
  - Ventricular Fibrillation
  - Ventricular Bigeminy
  - Ventricular Trigeminy

- PACEMAKER RHYTHMS**
- Pacemaker Rhythm - Atrial Paced
  - Pacemaker Rhythm - Ventricular Paced
  - Pacemaker Rhythm - AV Sequential
  - Pacemaker Not Captured
  - Pacemaker Not Functioning
  - Pacemaker On Demand

- OTHER RHYTHMS**
- Wolff-Parkinson-White Syndrome
  - Normal Pediatric ECG
  - Long QT Segment Syndrome
  - ST Segment Elevation
  - ST Segment Depression
  - Asystole

**he**<sup>®</sup>  
instruments

3677 23rd Avenue South - Suite B-107  
Lake Worth (FL 33461), United States

✉ info@heinstruments.com

☎ +1-866-921-4971

☎ +1-561-899-7791

🕒 8:30am a 4:30pm EDT



Privacy Notice

Conditions of Use