



# Message from the President...



**P**innacle Technology Group, Inc. is pleased to have served our customers in the medical training market for over 30 years and our goal is to continue providing the highest quality state-of-the-art products possible. Our Pinnacle simulators use “Real Patient Data” for a more realistic training experience. We pride ourselves on superior customer service. The relationships we build are long term customer oriented to best serve you.

Our goal is to be a “world class” organization that engineers, designs and manufactures the finest electronic medical training products available. We encourage feedback and input from our customers so that we can meet all of your challenges and needs. Pinnacle will continue to be a leader in this market as we improve our facilities, equipment and processes.

We have been busy over the past year, building a new facility and implementing Lean/Agile business systems to increase our efficiency and productivity. We are committed in our efforts to be an industry leader. Pinnacle is certain that the combination of the finest facilities, best processes and brightest people will allow us to be your first choice for a business partner.

Thank you,

A handwritten signature in black ink, appearing to read "Rick Wasserman", is written in a cursive style.

Rick Wasserman  
President/CEO



*Prices are subject to change.*

# The Company/Ordering & Shipping/Warranty



## Beyond the Millennium

With its array of products the company foresees continued growth and innovative development branching into new markets by adding interactive products for various health education disciplines.

## Your Partner in Innovation

Pinnacle Technology Group, Inc. appreciates the assistance our customers give us generating new ideas and exposing us to the practical problems facing the medical training field. Our goal is to continue to design and develop state-of-the-art products with your help.

With our array of products Pinnacle foresees continued growth and innovative development branching into new markets by adding interactive products for various health education disciplines. If you have a problem that we could solve, or a new product idea, we would like to work with you on it.

We continue to lead the field with innovative products that are designed to help the student learn and assist the instructor with the highest quality training equipment. Our engineering department is comprised of leaders in their field. They are experienced professionals that understand the medical training arena and pride themselves on solving the toughest challenges. We look forward to your comments and input.

## Ordering

You may place your order for any of the products in this catalog by the following methods:

Phone: 1-800-345-5123 (Toll Free)  
734-568-6600 (Local)

Fax: 734-568-6601

Email: [service@pinnacletec.com](mailto:service@pinnacletec.com)

On-line: [www.pinnacletec.com](http://www.pinnacletec.com)

## Payment

Terms will be net 30 days with approved credit or authorized institution with a Purchase Order. We also accept Visa, MasterCard, American Express, and Discover.

## Shipping

All products will be shipped by UPS, unless specified by the customer. For international shipments, Federal Express Priority will be used, unless specified by the customer.

## Trials

Evaluate a TUTOR for two weeks! A TUTOR with menus will be shipped without charge on the request of an educator or on the receipt of a Trial Order. There is NO OBLIGATION, simply determine the usefulness and if a purchase is not timely, return the items.

## Rentals

Any TUTOR may be rented with rental fees at the monthly rate of ten percent (10%) of the purchase price. A Rental / Purchase Option allows the rentals paid for eleven months to qualify for purchase. After the eleventh consecutive payment, the TUTOR becomes the property of the renter.

## Warranty

Instruments are warranted to be free of any defect and to operate as in published information. If within two years there is any malfunction, not caused by misuse or inadvertent damage, the instrument will be restored to normal and returned at no charge.

## Repairs/Replacement/ Return Goods

Should you have a product that is in need of repair or if you would like to return a product, please call 1-800-345-5123 and request RMA #. State the reason you would like to return the product. If you would like an estimate on the repair, we will be happy to give you an estimate prior to beginning any work. Return of goods must be made within 90 days of purchase.

To Order Call **TOLL FREE 1-800-345-5123**

Local **734-568-6600** Fax **734-568-6601**

# Arrhythmia Training



All Pinnacle TUTORs feature real patient data for easy presentation at the touch of a keypad or button.

## TUTOR 5WT

Especially useful for instructing new personnel in the use of seven lead data, this hand-held data selector is just like the TUTOR T except it has seven leads. The unit is powered by a 9v battery.

Special optional menus can be created for orders of 10 units or more. Consult your Pinnacle representative for details.

### Rhythms include:

- |             |                   |
|-------------|-------------------|
| 1 - NSR 85  | 5 - V Tach        |
| 2 - S B 40  | 6 - ST Elevation  |
| 3 - SVT 145 | 7 - ST Depression |
| 4 - Couplet | 8 - AV Seq Paced  |

TT-5 TUTOR 5WT \$245.00

## TUTOR T

Our answer for basic arrhythmia training, the TUTOR T has eight pre-programmed rhythms. To switch from one rhythm to another, you simply push a button. Excellent for instructors on the go, the TUTOR T is equipped with three lead snaps allowing connection to any monitor/defibrillator for interpretation and is housed in a small, portable hand-held case.

TUTOR T is also a good tool for verifying your other medical devices since all data is actual patient data. The unit is powered by a 9v battery.

Special optional menus can be created for orders of 10 units or more. Consult your Pinnacle representative for details.

### Rhythms include:

- |                |              |
|----------------|--------------|
| 1 - SB 40      | 5 - PVCs     |
| 2 - NSR 85     | 6 - V Tach   |
| 3 - SVT 145    | 7 - Torsades |
| 4 - Atrial Fib | 8 - V Fib    |

TT-3 TUTOR T \$205.00



## Arrhythmia TUTOR

The Arrhythmia TUTOR is a hand-held arrhythmia simulator that has 16 preprogrammed rhythms, both shockable and non-shockable. With three leads that can be connected to any monitor/defibrillator by the patient cable, this unit is ideal for ECG or ACLS classes where rhythm recognition is necessary. Virtually maintenance-free, the unit operates on a 9v battery.

Special optional menus can be created for orders of 10 units or more. Consult your Pinnacle representative for details.

### Rhythms include:

- Sinus Rhythm
- Sinus Tach
- Sinus Brady
- SVT
- PACs in NSR
- Atrial Flutter
- Atrial Fibrillation
- Junctional Escape
- 1st Degree Block
- 2nd Degree Block
- A-Wenckebach
- 2nd Degree
- AV Block Type II
- 3rd Degree
- AV Block - CHB
- Multi-Focal PVCs
- V Tach
- V Tach Torsades
- V Fib

AT-35 Arrhythmia TUTOR \$430.00

Prices are subject to change.

Visit our website [www.pinnacletec.com](http://www.pinnacletec.com)

# Arrhythmia Training



## TUTOR I Data Selector

This hand-held arrhythmia simulator is ideal for ECG, ACLS or PALS classes. The operator has the option to select data from a variety of menus. Three leads can be connected to any monitor by the patient cable. The unit is powered by a 9v battery – virtually maintenance-free.

**T1 TUTOR I Data Selector \$415.00**

### Menus:

Using actual patient data, all menus meet class criteria determined by AHA for ACLS and PALS. See page 13 for complete menu listings.

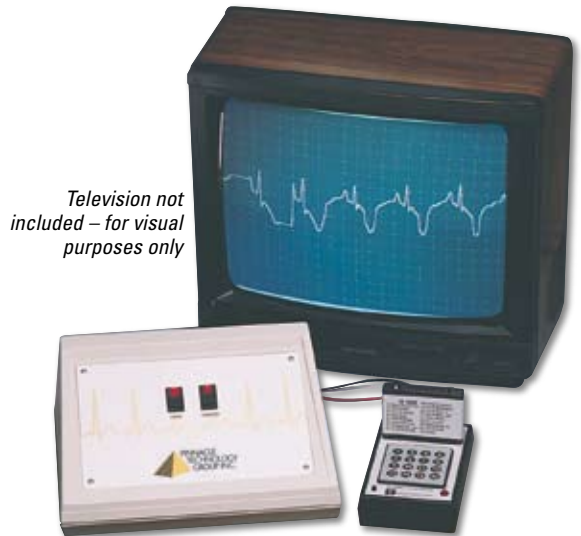
### Menus:

T1M-10	Rates & Rhythms	\$75.00
T1M-35	#35 ACLS	\$75.00
T1M-36	#36 ACLS	\$75.00
T1M-41	#41 CCU/ICU	\$75.00
T1M-42	#42 CCU/ICU	\$75.00
T1M-43	#43 CCU/ICU	\$75.00
T1M-47	Ventricular Rhythms	\$75.00
T1M-48	Acute MI	\$75.00
T1M-49	Paced Rhythms	\$75.00
T1M-51	PALS	\$75.00
T1M-55	Pediatric Rhythms	\$75.00
T1M-56	Pediatric PALS	\$75.00

## Arrhythmia Display Interface

The Arrhythmia Display Interface (ADI) is an interface device which allows 3-lead simulator output to be displayed on a conventional television monitor. An invaluable aid for teaching ACLS or ECG interpretation. The ADI can be connected to any simulator or manikin to display the rhythms on a television. Additional features allow the ADI to freeze action on the TV monitor or add ECG grid lines to the screen. Included with the ADI is a power cord, A/V cable and ECG cable.

**ADI-10 Arrhythmia Display Interface \$1035.00**



## ACLS/ECG Training Package

This special package includes all of the tools necessary to teach rhythm interpretation: the Pinnacle TUTOR I Data Selector, one menu and the ADI. If you're starting a new program or updating your equipment, the ACLS/ECG Training Package will get you started properly. In addition, you'll save over \$200 compared to the cost of purchasing these items separately.

**PM-1 ACLS/ECG Training Package \$1320.00**

To Order Call **TOLL FREE 1-800-345-5123**

Local **734-568-6600** Fax **734-568-6601**

# Multi-Discipline Training



## Blood Pressure Simulator

This Lifelike Blood Pressure Simulator helps resolve the uncertainties common in teaching students to take blood pressure. Provides an excellent means to practice listening to and distinguishing blood pressure sounds prior to actual clinical experience. It is possible to audibly discern the five Korotkoff phases. With this realistic unit, the student can find the preset results and the instructor can unfailingly know if the student has performed the procedure accurately.

Control Unit Allows Instructors to:

- Select systolic and diastolic settings
- Turn auscultatory gap on or off
- Adjust volume
- Adjust pulse rate

Students:

- Use normal procedure to place cuff on arm
- Check palpable pulse at the radial site
- Pump cuff
- Pressures are activated at release valve
- Read pressures on sphygmomanometer
- Auscultate Korotkoff sounds with any stethoscope through a speaker in the arm

**BPT-001 Blood Pressure Simulator \$795.00**



## AED Trainer

Prepare students for emergency situations with the Universal AED Trainer. Simply push a button to set the sequence of events that will help students learn the appropriate steps to follow in both "shock" and "no shock" situations. Once the scenario is selected, the trainer will prompt the student in appropriate actions and responses.

Training for all four AHA recommended AED training scenarios:

- Provides both audio and written prompts in English
- Cables for training pads plug into the rear of the unit
- Volume Adjustment
- Large LCD Display for written prompts
- Dimensions: 7 1/2" x 5" x 1 3/4"
- Low battery indication
- Powered by a 9V battery

**AED001 AED Trainer \$265.00**

**AED002 AED Trainer with Basic Buddy \$310.00**

*Prices are subject to change.*

Visit our website [www.pinnacletec.com](http://www.pinnacletec.com)

# Multi-Discipline Training



## TUTOR XII Basic

The TUTOR XII Basic has all of the basic features and functions of the more advanced model with the exception of the accessories listed below. Offering these items as accessories allows you to build a unit to fit your needs and budget. AC Adapter and Carrying Case are included with this unit.

**T12 TUTOR 12 Basic \$1900.00**

### Accessories:

**T12-PDC Pressure Display Cable Call for Pricing**

**T12-SAA Sounds Amplifier \$195.00**

**T12-XM Breath Sounds External Module \$105.00**

**SS-10 Stethoscope Sounder \$ 45.00**

Other External Modules available. See pages 14 and 15 for menu information.



## Rhythm Display Interface

The Rhythm Display Interface (RDI) is an interface device which allows 3-lead, 12-lead, and hemodynamic simulator output to be displayed on a conventional television monitor, projector, or LCD display screen. This interface device works similar in nature to our current Arrhythmia Display Interface but has been expanded for 12-lead simulators and additional viewing methods.

The RDI can be connected to any simulator or manikin to display the rhythms on a television. Additional features allow the RDI to freeze action, display a grid, and enlarge a rhythm. This display interface is ideal for teaching students in a classroom environment or as a cost alternative to expensive patient monitors.

Rhythm Display Interface Includes:

- 1 A/V cable is included
- 12 Lead Cable
- Hemodynamics Cable
- Dimensions: 7 1/2" x 5" x 1 3/4"

**RDI Rhythm Display Interface \$1,500.00**

**RDI-12LC 12 Lead Cable \$150.00**

**RDI-HC Hemodynamics Cable \$150.00**



## TUTOR XII Advanced

This micro-processor based system is the top of the line for teaching in multi-discipline environments. Using actual patient data digitally stored and reproduced, there are 10 families of data with a selection of items in each family. Programmable, the unit allows you to create your own scenarios which will be automatically displayed.

TUTOR XII comes with a remote controller that has 6 feet of access plus a LCD display to show the family and item currently playing. Also included are AC Adapter, Sounds Amplifier, Breath Sounds Menu, two Sounders, two Pressure Display Cables for Hemodynamics Display, and a carrying case. Please specify make and model of monitor when ordering pressure display cables.

### Data Families:

- Arrhythmias (3-Lead)
- Bio-Engineering Wave Forms
- Cath Lab data
- Defibrillation Events
- Exercise Testing (12-Lead)
- Hemodynamics with ECG
- 12-Lead ECGs
- Acute Myocardial Infarctions (12-Lead)
- EP Studies (12-Lead)
- Pacemaker (12-Lead)
- Cardiac Output
- Heart and Breath Sounds

**T12A TUTOR XII Advanced \$2300.00**

Prices are subject to change.

To Order Call **TOLL FREE 1-800-345-5123**

Local **734-568-6600** Fax **734-568-6601**

# Multi-Discipline Training



**Twelve Lead Task Trainer**

Adult male upper torso with anatomically correct landmarks designed for twelve lead training.

## Airway Management Skills

- Oral/nasal/digital intubation
- Right mainstem intubation
- Oropharyngeal/nasopharyngeal airway insertion
- Bag valve mask ventilation
- Suctioning techniques
- Manually generated carotid pulse
- Stomach auscultation to verify proper airway positioning
- Abdominal thrust
- Closed chest compressions

## Cardiac Related Skills

- Connection sites for four limb leads and V1 through V6
- Compatible with most 12 lead defibrillator/monitors
- Defibrillation via hands free cable or paddles
- Pacing with option to respond or fall to capture

## Train Students in the:

- Proper connection of patient cable
- Operation of 12 lead ECG devices
- Acquisition and interpretation of 12 lead ECG
- Understanding and utilization of the AMI algorithm
- Understanding and utilization of local protocols relating to and treatment of suspected or confirmed AMI
- Portable and easy to use

- Instructor controlled using remote control
- Trainer powered by either battery or AC outlet

## Specifications:

- Operating system allows selection of up to nine (9) ECG choices, then step to the next choice based on user input time frame or single button activation.
- Remote displays identifying ECG sample in use.
- Data observed at quick look is substantially similar to Lead II.
- System is capable of being shocked at 360 joules and receiving fifteen (15) sets of three shocks per set.
- Operating system allows future upgrades to data.
- Excluding the remote, the operating system is contained within the manikin torso.
- Complete operating system weighs no more than seven (7) pounds.
- System operates in DC current from a replaceable battery contained in the manikin torso and will accommodate an AC adapter.
- Battery can operate the system for 40 hours of normal operation.
- When using battery power, system will turn off after fifteen (15) minutes of inactivity.
- System meets current FCC and CE requirements.

**TLTR-001 Twelve Lead Task Trainer \$7,525.00**



## Blood Pressure Training Arm

Lifelike, adult arm with an electronic trainer designed for training the procedure of NIBP measurement

## Features

- Palpable antecubital pulse
- Blood Pressure Trainer with LCD guided operation
- Systolic, diastolic, heart rate and auscultatory gap are programmable
- Representation of both systolic and diastolic pressures
- Indication of gauge reading as pressure is increased or decreased
- Adjustable volume

**BPK3-001 Blood Pressure Training Arm \$940.00**

*Prices are subject to change.*

# Sounds Training



## TUTOR MS

This hand-held simulator generates both heart and breath sounds and is an excellent instructional tool for one or up to 15 students. Utilizing plug-in modules, instructors can select the appropriate scenario for the classroom situation. The unit includes two sounders allowing students to auscultate with a stethoscope to hear the sounds. Linking the sounders, up to 15 students can auscultate at the same time or a speaker may also be connected.

The TUTOR MS is ideal for any setting where the determination of both heart and breath sounds is important. All data used is actual patient sounds provided by plug-in modules. Additionally, the unit has two lights that illuminate during systole (heart menu) and expiration (breath menu). Virtually maintenance-free, the unit is powered by a 9v battery.

**MS2 TUTOR MS \$640.00**

### Menus:

See page 14 for complete menu listings of each module.

<b>MS2M-141 Basic Heart Sounds</b>	<b>\$85.00</b>
<b>MS2M-142 Basic Murmurs</b>	<b>\$85.00</b>
<b>MS2M-143 Breath Sounds</b>	<b>\$85.00</b>
<b>MS2M-155 Pediatric Heart &amp; Breath Sounds</b>	<b>\$85.00</b>
<b>MS2M-156 Pediatric Heart Sounds</b>	<b>\$85.00</b>
<b>MS2M-157 Infant Heart &amp; Breath Sounds</b>	<b>\$85.00</b>

### Accessories:

<b>SS-10 Stethoscope Sounders</b> (1-14 quantity)	<b>\$85.00 each</b>
<b>SS-10M Stethoscope Sounders</b> (15 or more)	<b>\$40.00 each</b>

## Heart Sounds TUTOR

This unit faithfully reproduces actual heart sounds and murmurs with pulses and ECGs to time the sonic events. Digitally stored, each selection plays on a continuous loop until another selection is made at the touch pad. This feature allows for rapid comparisons of examples. Available selections on Pinnacle plug-in modules provide a wide range of sounds compared and learned in a minimal amount of time.

Included in this unit are two built-in Sounders, two external Sounders, volume control, a pulsating bar graph for timing, illuminated menu selection display and a carrying case. For class usage, up to 100 external Sounders may be chained or a speaker may be used.

<b>HS-2 Heart Sounds TUTOR</b>	<b>\$1300.00</b>
<b>SS-10 Stethoscope Sounder</b> (1-14 quantity)	<b>\$45.00 each</b>
<b>SS-10M Stethoscope Sounder</b> (15 or more)	<b>\$40.00 each</b>

See pages 14 and 15 for complete listings of each menu.

### Sounds Menus:

<b>HS2M-211 Mitral Valve Disease</b>	<b>\$95.00</b>
<b>HS2M-212 Aortic Regurgitation</b>	<b>\$95.00</b>
<b>HS2M-213 Congenital Heart Disease</b>	<b>\$95.00</b>
<b>HS2M-214 Cardiomyopathies</b>	<b>\$95.00</b>
<b>HS2M-215 Mitral Stenosis</b>	<b>\$95.00</b>
<b>HS2M-241 Basic Heart Sounds</b>	<b>\$90.00</b>
<b>HS2M-242 Basic Murmurs</b>	<b>\$90.00</b>
<b>HS2M-243 Breath Sounds</b>	<b>\$90.00</b>



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Local **734-568-6600** Fax **734-568-6601**

# Sounds Training

## Sounds and Arrhythmia TUTOR (shown here with ADI-10)

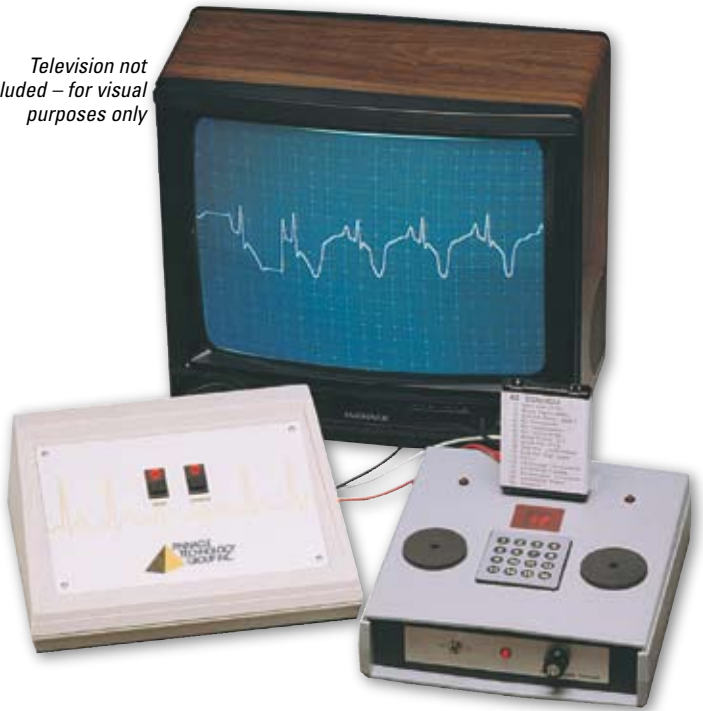
Combining two TUTORS in one, this unit simulates either heart and breath sounds or arrhythmias (perfect for Nursing Schools, EMS Education Programs, Medical Schools or other healthcare settings where sound and rhythm recognition is critical).

The unit has a 16-panel keypad with two built-in Sounders and two additional external Sounders. There is volume control and two LEDs that illuminate during systole as well as an illuminated display showing the example currently playing. In the classroom up to 50 Sounders may be linked or a speaker may be used. Rhythms may be viewed on any monitor by connecting the three snap-on lead patient wires or connecting it to our Interface Device as shown in the picture.

This unique TUTOR allows instructors the flexibility to change menus by changing plug-in modules. See pages 13, 14 and 15 for complete listings for each menu.

**ST2 Sounds TUTOR \$1035.00**

*Television not included – for visual purposes only*



### Arrhythmia Menus:

ST2M-10 Rates and Rhythms	\$85.00
ST2M-35 #35 ACLS	\$85.00
ST2M-36 #36 ACLS	\$85.00
ST2M-41 #41 CCU/ICU	\$85.00
ST2M-42 #42 CCU/ICU	\$85.00
ST2M-43 #43 CCU/ICU	\$85.00
ST2M-47 Ventricular Rhythms	\$85.00
ST2M-48 Acute Myocardial Infarctions	\$85.00
ST2M-49 Paced Rhythms	\$85.00
ST2M-51 PALS	\$85.00
ST2M-55 Pediatric Rhythms	\$85.00
ST2M-56 Pediatric PALS	\$85.00

ST2M-143 Breath Sounds	\$90.00
ST2M-155 Pediatric Heart and Breath	\$90.00
ST2M-156 Pediatric Heart	\$90.00
ST2M-157 Infant Heart and Breath	\$90.00

### Accessories:

SS-10 Stethoscope Sounders (1-14 quantity)	\$45.00 each
SS-10M Stethoscope Sounders (15 or more)	\$40.00 each
ST2-CSC Carrying Case	\$80.00
NTWK-10 Network Assembly (10 ft. extension cable)	\$50.00

### Sounds Menu:

ST2M-111 Mitral Valve Disease	\$95.00
ST2M-112 Aortic Regurgitation	\$95.00
ST2M-113 Congenital Heart Disease	\$95.00
ST2M-114 Cardiomyopathies	\$95.00
ST2M-115 Mitral Stenosis	\$95.00
ST2M-141 Basic Heart Sounds	\$90.00
ST2M-142 Basic Murmurs	\$90.00

*Prices are subject to change.*



### **Amplifier / Speaker System**

Lucia 30-watt amplifier reproduces sounds with extreme clarity, great for group presentations, and complete with speaker and wire connections. This Amplifier/Speaker System can be used with a wide variety of products included in this catalog.

**SPR001 Amplifier/Speaker System \$199.85**

### **Auscultation Trainer & SmartScope**

A Major Breakthrough in Auscultation Training. The instructor selects from a menu of heart and lung conditions by wireless remote control. The manikin presents itself as a real patient without visible auscultation sites. The student must palpate to identify correct auscultation locations, and will hear different heart and lung sounds as the SmartScope is moved to different locations on the manikin. A diagnosis of the condition selected by the instructor can be made by comparing the variations in sounds occurring at different sites. Just like a real patient!

Excellent for group instruction; the remote can operate several manikins simultaneously or be connected to an amplified speaker in addition to the headpieces on the SmartScope.

Features:

- Invisible Auscultation Sites
- Palpable Landmarks
- Completely Wireless
- Remote Controlled
- No Internal Speakers



- Heart and Lung Sounds Vary at Different Sites
- One-year Warranty
- Hard Storage Case Included

<b>AUS001 Complete Set</b>	<b>\$2,465.00</b>
<b>AUS002 Additional SmartScope</b>	<b>\$826.00</b>
<b>AUS003 Additional Body</b>	<b>\$1,039.00</b>

To Order Call **TOLL FREE 1-800-345-5123**

Local **734-568-6600** Fax **734-568-6601**

# Sounds, Arrhythmias, and Hemodynamics



## TUTOR VII Sounds, Arrhythmias, Hemodynamics

The TUTOR VII is a versatile, multi-function unit that presents a variety of data from plug-in modules. Data includes Heart and Breath Sounds, Arrhythmias and Hemodynamic Waveforms. The unit includes two built-in and two external Sounders, volume control, illuminated display of current menu item, lights that illuminate during systole, three lead snaps for viewing rhythms, pressure transducer connections for hemodynamics, two hemodynamic menus and a carrying case.

Pressure display cables must be ordered at the time of purchase to view hemodynamics. Please specify the make and model of the monitor your facility will be using when placing your order. See pages 13, 14 and 15 for complete listings for each menu.

### T7-H2 TUTOR VII (Sounds, Arrhythmias, Hemodynamics) \$1400.00

#### Accessories:

**T7-PDC** Pressure Display Cable  
(Specify make & model) **Call for Pricing**

**SS-10** Stethoscope Sounder  
(1-14 quantity) **\$45.00 each**

**SS-10M** Stethoscope Sounder  
(15 or more) **\$40.00 each**

#### Hemodynamic Menus:

**T7M-331** Hemodynamics with ECG **\$95.00**

**T7M-332** Hemodynamics with ECG **\$95.00**

#### Sounds Menus:

**T7M-211** Mitral Valve Disease **\$95.00**

**T7M-212** Aortic Regurgitation **\$95.00**

**T7M-213** Congenital Heart Disease **\$95.00**

**T7M-214** Cardiomyopathies **\$95.00**

**T7M-215** Mitral Stenosis **\$95.00**

**T7M-241** Basic Heart Sounds **\$90.00**

**T7M-242** Basic Murmurs **\$90.00**

**T7M-243** Breath Sounds **\$90.00**

**T7M-155** Pediatric Breath & Heart **\$90.00**

**T7M-156** Pediatric Heart **\$90.00**

**T7M-157** Infant Heart & Breath **\$90.00**

#### Arrhythmia Menus:

**T7M-10** Rates and Rhythms **\$85.00**

**T7M-35** #35 ACLS **\$85.00**

**T7M-36** #36 ACLS **\$85.00**

**T7M-41** #41 CCU/ICU **\$85.00**

**T7M-42** #42 CCU/ICU **\$85.00**

**T7M-43** #43 CCU/ICU **\$85.00**

**T7M-47** Ventricular Rhythms **\$85.00**

**T7M-48** Acute Myocardial Infarcts **\$85.00**

**T7M-49** Paced Rhythms **\$85.00**

**T7M-51** PALS **\$85.00**

**T7M-55** Pediatric Rhythms **\$85.00**

**T7M-56** Pediatric PALS **\$85.00**

*Prices are subject to change.*

Visit our website [www.pinnacletec.com](http://www.pinnacletec.com)

**Arrhythmia Menus** are within Plug-In Modules for use in the TUTOR I, Sounds TUTOR, TUTOR IV, and TUTOR VII. Order by Menu Numbers and indicate TUTOR.

*Arrhythmias of the same name are from different patients in different Menus to show appearance variations.*

### 35 ACLS

1. Normal Sinus Rhythm
2. Sinus Tachycardia
3. Sinus Bradycardia
4. Supraventricular Tachycardia
5. PACs in NSR, PSVT
6. Atrial Flutter
7. Atrial Fibrillation
8. Junctional Escape
9. 1st AV Block
10. 2nd A-Wenckebach
11. 2nd AV Block - II
12. 3rd AV Block - CHB
13. PVCs, multi-focal
14. Ventricular Tachycardia
15. VT, torsades de pointe
16. Ventricular Fibrillation

### 36 ACLS

1. Normal Sinus Rhythm
2. PACs to PSVT
3. Sinus Arrhythmia
4. Sinus Arrest
5. Atrial Fibrillation
6. Accelerated Junctional
7. SV Prematures, Junctional
8. 1st AV Block, IVCD
9. 2nd AV-Wenckebach
10. 2nd AV Block - II
11. 3rd AV Block - JER
12. PVCs, multifocal
13. VT, paroxysmal
14. Ventricular Fibrillation, fine
15. Ventricular Asystole
16. Artifact

### 10 Rates & Rhythms

1. NSR Lead I 70 bpm
2. NSR Lead II 70 bpm
3. NSR Lead III 70 bpm
4. Lead II 85 bpm
5. Lead II 100 bpm
6. Lead II 115 bpm
7. Lead II 130 bpm
8. Lead II 145 bpm
9. NSR ) same
10. PVCs ) patient
11. Vent Tachycardia )
12. Vent Fibrillation )
13. Asystole )
14. RA to RV ) Pressure
15. PA to PCW ) Waveforms
16. LV to AO ) for display

### 41 CCU/ICU

1. Normal Sinus Rhythm
2. Sinus Bradycardia
3. Atrial Premature Complexs
4. Atrial Tachy (SVT)
5. Atrial Flutter, variable
6. Atrial Fibrillation
7. SV Tachycardia
8. SV Rhythm
9. 1st AV Block, ICVD
10. 2nd AV, wide QRS
11. 2nd AV Block - II, 2:1
12. 3rd AV Block, JER
13. PVCs amid ST
14. Ventricular Tachycardia
15. PVCs, VT - torsades
16. Ventricular Fibrillation

### 42 CCU/ICU

1. NSR with IVCD

2. Sinus Tachycardia
3. 2nd SA Block - type 1
4. SV Premature
5. SV Tachycardia
6. SV Tachycardia
7. Atrial Flutter, 2:1
8. Atrial Fibrillation, IVCD
9. 2nd AV, conduction delays
10. 2nd AV, high grade
11. PVCs
12. Ventricular Tachycardia
13. Ventricular Escape
14. Accelerated Ventricular
15. Ventricular Flutter
16. Asystole

### 43 CCU/ICU

1. NSR with IVCD
2. Sinus Tachycardia
3. SV Bradycardia
4. Atrial Premature
5. APC to PSVT
6. SV Premature, 1st AV
7. Atrial Flutter, variable
8. Junctional Escape
9. 2nd AV, high grade
10. CHB, BBB and VER
11. SB, PVCs, late cycle
12. Ventricular Bigeminy
13. VT, torsades de pointe
14. AV Dissociation
15. Ventricular Fib
16. Ventricular Asystole

### 47 Ventricular Waveforms

1. 5 PVCs/min
2. 21 PVCs/min
3. Ventricular Bigeminy
4. Defibrillation Event 10
5. Event 10 (concluded)
6. Defibrillation Event 12
7. Defibrillation Event 11
8. Ventricular Standstill
9. Ventricular Asystole
10. Asystole
11. 2nd AV Block
12. SV Tachycardia
13. Ventricular Tachycardia
14. Ventricular Tachycardia
15. NSR to polymorphic VT
16. Idioventricular Rhythm

### 48 Acute Myo-Infarcts

1. I
2. II Massive Anterior
3. III NSR
4. V6
5. I
6. II Inferolateral
7. III Sinus Bradycardia
8. V5
9. I
10. II Anteroseptal
11. III Sinus Arrhythmia
12. V4
13. I
14. II Inferoposterior
15. II Sinus Brady
16. V2

### 49 Paced Beats

1. Ventricular, 100% Capture
2. Ventricular, Intermittent
3. Ventricular, At Fibrillation
4. Ventricular, 100% At Flutter
5. Demand, Atrial paced
6. Demand PVCs
7. Demand, AFib, PVCs, RBBB
8. Demand, intermittent, LBBB
9. Demand, At Fib
10. AV Seq, PVCs
11. AV Seq, 100% capture
12. AV Seq, 100% capture
13. AV Seq, 100% capture
14. AV Seq, occasional capture
15. AV Seq, intermittent At capture
16. Ventricular, intermittent capture

### 51 Pediatric PALS

1. SB - PVCs 38 bpm
2. SB - PVCs 54 bpm
3. Sinus Arrhy 64 bpm
4. NSR 76 bpm
5. Sinus 109 bpm
6. Sinus 135 bpm
7. Sinus Tachy 178 bpm
8. SVT 310 bpm
9. Atrial Flutter
10. Atrial Fibrillation
11. Ventricular Tachycardia
12. Ventricular Fib
13. Idioventricular
14. 3rd AV Block
15. Paced Rhythm
16. Asystole

### 55 Pediatric Rhythms

1. Sinus Rhythm 38
2. Sinus - PVC's 54
3. Sinus Rhythm 64
4. Sinus Rhythm 79
5. Sinus Rhythm 104
6. Sinus Rhythm 143
7. Sinus Rhythm 186
8. Sinus Rhythm 317
9. Ventricular Tachy
10. Ventricular Fib
11. Idioventricular
12. Asystole
13. Atrial Flutter
14. 1st AV Block
15. 3rd AV Block
16. Paced Rhythm

*Rates are for reference only*

### 56 Pediatric PALS

1. Sinus Rhythm 39
2. SINUS - PVC's 47
3. Sinus Rhythm 60
4. Sinus Rhythm 69
5. Sinus Rhythm 82
6. Sinus Rhythm 93
7. Sinus Rhythm 109
8. Sinus Rhythm 122
9. Sinus Rhythm 137
10. Sinus Rhythm 169
11. Sinus Rhythm 182
12. SVT
13. Vent Tachy
14. Vent Fib
15. Idioventricular
16. Asystole

*Rates are for reference only*

To Order Call **TOLL FREE 1-800-345-5123**

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# Menus

**Heart and Breath Sounds Menus** are within Plug-In Modules for use in the Sounds TUTOR, TUTOR MS, and the TUTOR VII.

**Order by Menu Numbers and indicate TUTOR.**

*Sounds of the same name are from different patients in different Menus to show appearance variations.*

## 141 Basic Heart Sounds

1. Apex Sounds	APEX
2. Base Sounds	BASE
3. Physiological Split S2	2LICS
4. Split S2 - Mid Inspiration	2LICS
5. Paradoxical Split S2	3LICS
6. Fixed Split S2 - (MSM)	BASE
7. Ejection Sound - (MSM)	APEX
8. Mid-Systolic Click	APEX
9. Mid-Late Systolic Click	APEX
10. Opening Snap	3LICS
11. S3	APEX
12. Pericardial Knock	4LICS
13. S4 - Intermittent	APEX
14. Starr-Edwards Valve	APEX
15. Friction Rub 2-Component	4LICS
16. Friction Rub 3-Component	4LICS

## 142 Basic Murmurs

1. Holosystolic - Blowing Crescendo	APEX
2. Holosystolic	APEX
3. Holosystolic - Late Crescendo	4LICS
4. Mid Systolic	4LICS
5. Late Systolic - Mid Systolic Click	APEX
6. Late Systolic	APEX
7. Late Systolic Whoop	APEX
8. Early Diastolic - Long Blowing (ES & MSM)	3LICS
9. Early Diastolic - Brief (ES & MSM)	3LICS
10. Early Diastolic - Musical (ES & MSM)	3LICS
11. Mid Diastolic - Rumble (AF)	APEX
12. Holodiastolic	4LICS
13. Mid Diastolic + Presystolic	APEX
14. Long Mid Sys + Early Diast (to & fro)	3LICS
15. Holosystolic + Mid Diastolic (AF)	APEX
16. Continuous	2LICS

## 143 Breath Sounds

1. Tracheal
2. Vesicular
3. Broncho-Vesicular
4. Bronchial
5. Wheezes
6. Monophonic Wheeze
7. Plural Friction Rub
8. Stridor
9. Cavernous
10. Crackles - Medium to fine
11. Crackles - Rhonchi
12. Crackles - Coarse
13. Pulmonary Edema
14. Infant
15. Egophony
16. Pectoriloquy

## 155 Pediatric Sounds

1. Newborn Breath
2. 9 Months Breath
3. 6 Year Breath
4. Crackles/Rhonchi
5. 9 Month Stridor
6. Asthma/Wheezing
7. Pneumonia
8. Wheezing
9. Neonate Stridor
10. Newborn Heart
11. 7 Month Heart
12. 1 Year Heart
13. 6 Year Heart
14. Systolic Murmur
15. V S D
16. Split S2

## 156 Pediatric Sounds

1. Newborn Heart
2. 7 Months Heart
3. 1 Year Heart
4. 6 Year Heart
5. 14 Year Heart
6. Stills Murmur
7. Venous Hum
8. Split S2
9. Pulmonary Stenosis
10. Systolic, Fixed S2
11. Split S2
12. A S D
13. V S D
14. Aortic Stenosis
15. Pulmonary Stenosis
16. Mitral Regurgitation

## 157 Infant Heart & Breath Sounds

1. 7 Month Heart
2. 1 Year Heart
3. Stills Murmur
4. Venous Hum
5. S2 Split
6. Pulmonary Stenosis
7. A S D
8. V S D
9. Aortic Stenosis
10. Mitral Regurgitation
11. 9 Month Breath
12. Rhonchi
13. Stridor
14. Asthma
15. Pneumonia
16. Wheezing

## Hemodynamic with ECG.

These menus are available for the TUTOR IV and TUTOR VII.

### 331 Hemodynamics with ECG

	1	2	3
1. NSR	PA		Art
2. NSR	PCW		Art
3. NSR	RA		Art
4. NSR	PA		Art
5. NSR	PCW		Art
6. AFib	PA		Art
7. AFib	PA-PCW		Art
8. NSR	RA		Art
9. ST	RA		Art
10. ST	PA		Art
11. ST	PCW		Art
12. AFib	PA		Art
13. NSR	RA		Art
14. NSR	PA		Art
15. NSR	RV		LV
16. NSR	PCW		Art

### 332 Hemodynamics with ECG

	1	2	3
1. ST	RA		Art
2. ST	PA		Art
3. ST	PCW		Art
4. ST	PA		Art
5. NSR	RA		Art
6. NSR	PA		Art
7. NSR	PCW		Art
8. NSR	PA		Art
9. ST	PA		Art
10. NSR	PA		Art
11. NSR	PA		Art
12. AFib	PA		Art
13. NSR	RV		Art
14. NSR	PA		Art
15. NSR	PCW		Art
16. NSR	PA		IABP 1:2

For the **Sounds TUTOR, TUTOR VII, Heart Sounds TUTOR, and TUTOR XII**

*(The 100 series Sounds are identical to the 200 series but without a timing reference of ECG or Pulse.*

*The Heart Sounds TUTOR and TUTOR XII series has an ECG or Carotid Pulse on a second channel.)*

*Prices are subject to change.*

For the **Sounds TUTOR, TUTOR VII, Heart Sounds TUTOR, and TUTOR XII**

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**111 Mitral Valve Disease**

Diagnosis and Status	Site
1. MS (moderate) respiration	3LICS
2. MS held expiration	3LICS
3. MS	APEX
4. MS (severe)	3LICS
5. MS	APEX
6. MR (chronic severe, AFib)	APEX
7. MR (chronic severe, AFib)	APEX
8. MR one cycle	APEX
9. MR (atypical, PVCs)	APEX
10. TR (pulmonary hypertension) during respiration	4LICS
11. Mitral Prolapse	APEX
12. Mitral Prolapse supine	APEX
13. standing	APEX
14. squatting	APEX
15. stand after squatting	APEX
16. Starr-Edwards Mitral Valve	APEX

**112 Aortic Regurgitation**

Diagnosis and Status	Site
1. AR (moderate)	APEX
2. AR	4LICS
3. AR	2RICS
4. AR (severe)	APEX
5. AR	3LICS
6. AR (retroverted cusp)	3LICS
7. AR (severe)	3LICS
8. AR amyl nitrite	3LICS
9. AR (acute severe)	APEX
10. AR handgrip	APEX
11. AR Valsalva	APEX
12. AR	2RICS
13. PR/PH expiration	2LICS
14. PR/PR inspiration	2LICS
15. Patent Ductus Arteriosus	2LICS
16. AS/AR	3LICS

**113 Congenital Heart Disease**

Diagnosis and Status	Site
1. Atrial Septal Defect	2LICS
2. Atrial Septal Defect	4LICS
3. Ventricular Septal Defect	APEX
4. Ventricular Septal Defect	4LICS
5. Patent Ductus Arteriosus	2LICS
6. Blalock-Taussig	4LICS
7. Mitral Prolapse control	4LICS
8. Mitral Prolapse Valsalva	4LICS
9. HCM control	4LICS
10. HCM Valsalva	4LICS
11. Discrete Subaortic Stenosis	4LICS
12. AR (bicuspid valve)	4LICS
13. Pulmonary Stenosis	2LICS
14. Ebstein s Anomaly	4RICS
15. Complete Heart Block	4LICS
16. Coarct AS/AR	4LICS

**114 Cardiomyopathies**

<i>HCM - maneuvers</i>	
1. APEX control for hand grip	
2. APEX hand grip	
3. APEX control (supine) for maneuvers	
4. APEX legs raised	
5. APEX squatting	
6. APEX standing after squatting	
<i>HCM - Valsalva maneuver</i>	
7. 4LICS control	
8. 4LICS Valsalva strain	
<i>HCM - Valsalva, apexcardiogram</i>	
9. 4LICS control	
10. 4LICS Valsalva strain	
11. APEX	
<i>HCM - (latent) with hypertension</i>	
12. 4LICS control	
13. 4LICS Valsalva strain	
<i>Apical ACM, LBBB</i>	
14. APEX	
15. APEX respirations, paradoxical splitting	
<i>Restrictive Cardiomyopathy, A Fib</i>	
16. APEX	

**115 Mitral Stenosis**

<i>Moderately Severe MS - effects of chest piece</i>	
1. APEX diaphragm	
2. APEX bell	
3. APEX bell (light pressure)	
<i>Moderate MS - selective removal of events</i>	
4. APEX	
5. APEXOS removed	
6. APEXMDM removed	
<i>Severe MS - sinus tachycardia</i>	
7. APEX	
<i>Severe MS - A Fib</i>	
8. APEX	
9. APEXshort cycle isolated	
10. APEXlong cycle isolated	
<i>Moderate MS with anemia, fever, tachycardia</i>	
11. APEX	
12. APEX	
<i>Mixed Mitral Regurgitation and MS, A Fib</i>	
13. APEX	
<i>Moderate MS - pulmonic area</i>	
14. 2LICSrespirations	
<i>Moderate MS - aortic area</i>	
15. 2RICS	
<i>Constrictive Pericarditis</i>	
16. 4LICS	

For the **Sounds TUTOR, TUTOR VII, Heart Sounds TUTOR, and TUTOR XII**

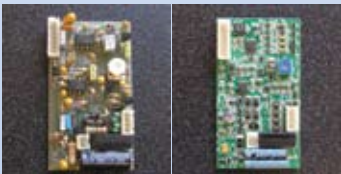
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For Engineering or Manufacturing inquiries please contact the following:

Rick Wasserman  
800-345-5123 x118  
rw@pinnacletec.com

Nick Fasciana  
800-345-5123 x118  
nfasciana@pinnacletec.com

For Medical Product inquiries please contact:

Hope Aguirre  
800-345-5123 x118  
hope@pinnacletec.com