ECG / Arrhythmia Simulator

**PRODUCT HIGHLIGHTS**

- Compact, Lightweight, Pocket Size
- Easy top panel control
- 12 Lead ECG.
- Adult and Pediatric Normal Sinus Rhythms
- 35 Arrhythmias
- ECG Performance Waveforms
- ST Segment Levels
- ECG Artifact
- Pacemaker Simulation

**OVERVIEW**

Metron’s patient simulators are the smallest, most power-packed patient simulators on the market.

The Metron patient simulators have incorporated all the features and even greater quality and accuracy than that found in larger, bulkier units. And we’ve made the units easy to operate, with labelled hot keys to guide you to the most common settings. Our simulation features include all those you would expect in a modern simulator including: ECG and ST segments, ECG performance waveform, arrhythmia and pacemaker simulation, all to be chosen directly from the menu.
PS-410 Specifications

NORMAL SINUS RHYTHM
12 lead with independent outputs referenced to RL
Normal Rate: 80 BPM
Selectable Rates: 30, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300 BPM
Accuracy: ± 1%
Output Impedance: 940 ohms between leads
ECG Amplitudes: 0.5mV, 1mV and 2mV
Amplitude Accuracy: ± 2% Lead II
High Level Output: 1000x Lead II

Adult or Pediatric ECG Waveform

ECG PERFORMANCE
Lead II
Square Wave: 2 Hz, 0.125 Hz
Pulse: 30, 60, 120 BPM
Sine Waves: .5, 5, 10, 40, 50, 60 Hz, (1mV amplitude only, lead II)
Triangle Wave: 2 Hz

ST SEGMENT ANALYSIS
Elevated or depressed: -.6mV to +.6mV in .2mV steps

PACEMAKER
Pacemaker rhythm
Pacer non capture *
Pacer non function
Demand pacer with occasional Sinus
Demand pacer with frequent Sinus
A-V Sequential

ARTEFACT SELECTION
50 Hz Artefact
60 Hz Artefact
Muscle Artefact
Baseline Artefact
Respiration Artefact

ARRHYTHMIA SELECTIONS
PVC1 *
Early PVC1 *
R on T PVC1 *
Pair of PVCs *
Run of 5 PVCs *
Run of 11 PVCs *
Multi-focal PVCs *
Frequent Multi-focal PVCs
PVC2 *
Early PVC2 *
R on T PVC2 *
Bigeminy
Trigeminy
PVCs at a rate of 6 per minute
PVCs at a rate of 12 per minute
PVCs at a rate of 24 per minute
Ventricular Tachycardia
Ventricular Fibrillation
Ventricular Fibrillation 1/2 size
Supraventricular Tachycardia
Premature atrial contraction *
Premature nodal contraction *
Asystole
Missed beat *
Nodal Rhythm
Irregular Rhythm
Atrial Flutter
Atrial Fibrillation
Atrial Fibrillation 1/2 size
Atrial Tachycardia
First Degree Block
Second Degree Block
Third Degree Block
Right Bundle Branch Block
Left Bundle Branch Block

OPERATION
Outputs are easily selected or adjusted using top panel controls and the large two digit numeric display.

GENERAL INFORMATION

TEMPERATURE REQUIREMENTS:
+15/59 to +35/95 °C/F while operating
0 to +50/122 °C/F for storage

DISPLAY:
Type: LCD
Numeric format: 2 digit
Display control: 6 keys - up/down, menu and enter

POWER:
9v battery/Battery Eliminator

HOUSING:
Plastic case

DIMENSIONS:
D X W X H
34 x 70 x 113 (mm)
1.3 x 3.7 x 6.1 (in)

WEIGHT:
0.4 kg/ 0.9 lb

STANDARD ACCESSORIES:
PS-410 User Manual

Note:
Specifications may be subject to change without notice.

PS-410 Ordering Information

Order no:
17180: PS-410 Patient Simulator

Accessories:
17260: Carrying Case
17028: User / Service manual PS-410

Note:
The symbol * indicates that the event occurs once. To repeat enter the selection again.