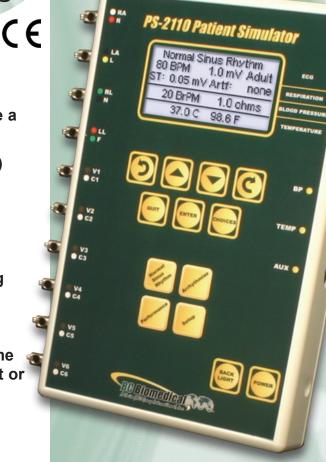
# Patient Simulator Series

#### Features - PS-2100 Series

- Simple to Operate
- Independent Lead Outputs Produce a True 12 Lead ECG Signal
- One Invasive BP Channel (PS-2110)
- Arrhythmia Selections
- ♦ Resp & Temp Simulation (PS-2110)
- ECG Performance Waveforms
- Graphical Display with Backlighting
- Drop Down Choice Screen List All Options for Parameters
- Special Power Up Feature Allows the User to Choose to use Default, Last or Custom Settings
- Auto Sequences for BPM, Static-Pressure Levels & Performance
- AHA & European Color Coded Universal Patient Lead Connectors (with Enough Space Between Posts for the Large Diameter Connectors)
- Mini DIN Connectors Compatible with Standard BP Cables (Optional Mini DIN-M to DIN-F Cable Adapter)
- % Battery Life Display & Low Battery Indicator
- Powered by Two 9V Batteries or Included Universal Battery Eliminator
- Full Remote Operation via RS-232
- Flash Programmable, Field Upgradeable
- Battery Eliminator

### Optional

♦ SpO<sub>2</sub> Simulation



#### **PS-2110**

The PS-2100 Patient Simulator Series offers cost effective simulation with many features. If you only need ECG simulation, the PS-2105 offers all of the features you need. If you want basic Multi-Parameter simulation, the PS-2110 is the right choice. It provides ECG, Blood Pressure, Respiration and Temperature Simulation, plus limited Fetal/Maternal Simulation.

The PS-2100 Series makes viewing and selecting the desired waveforms and parameters quick and intuitive, with all operational information being available at the same time on the cursor-based graphic display, allowing for easy maneuvering through parameters and scrolling through available options.

etphil Medical

## **PS-2105 SPECIFICATIONS**

ECG Functions		
Rate	30 to 300 BPM	
Amplitude	0.05 to 5mV	
S-T Segment Elevation	± 0.05 to 0.8 mV	
Artifacts	50 Hz, 60 Hz, Muscle, Baseline Wander, Respiration	
QRS Interval	Adult (80 ms) or Pediatric (40 ms)	
Arrhythmia Functions		
Arrhythmias	49 different	
General Groups	Supraventricular, Premature, Ventricular, Conduction	
Triggering	Manual & Automatic	
Pacemaker Functions		
Waveforms	Atrial, Pacer, Asynchronous, Non-Capture, Non-Function, Demand - Occasional, Demand - Frequent, AV - Sequential	
Pulse Height	1 to 10 mV	
Pulse Width	0.1 to 2 ms	
ECG-Performance Functions		
Sine Waves	0.1 to 100 Hz	
Square Waves	0.125, 2 Hz	
Triangle Waves	5, 2.5 Hz	
Pulse Waves	30, 60, 120 BPM; 60 ms Width	
Amplitude	0.05 to 5 mV (Lead II)	
Automatic Mode	Yes	
R Wave Rate	30, 60, 80, 120, 200, 250 BPM	
R Wave Width	8 to 200 ms	
R Wave Amplitude	0.05 to 5 mV (Lead II)	
Training		
Timer	Manual, 10, 15, 20, 25, 30 s	
Randomizer	Off, On	
Arrhythmias	All, Subset	
SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)		
Rate	30 to 300 BPM	
SpO <sub>2</sub> Output	80, 90 & 97%	



Accuracy± 1%Amplitude0.5, 1.0, 1.5, 2.0 mVAccuracy± 2% @ Lead IIHigh Level200 times AmplitudeECG PerformanceSine Wave0.1,0.5,5,10,40,50,60,100 HzSquare Wave0.125, 2.000 HzTriangle Wave2.000 HzRate Accuracy± 1%Amplitude Accuracy± 2% @ Lead IIBlood Pressure0,20,40,80,100,200,250,300 mmHgStatic Pressure0,20,40,80,100,200,250,300 mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 V RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRespiration			
Accuracy         ± 1%           Amplitude         0.5, 1.0, 1.5, 2.0 mV           Accuracy         ± 2% @ Lead II           High Level         200 times Amplitude           ECG Performance         Sine Wave           Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300 mmHg           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Rate         Apnea, 15,20,30,40,60,80,100,10,10,10,10,10,10,10,10,10,10,10,1	ECG Functions		
Amplitude         0.5, 1.0, 1.5, 2.0 mV           Accuracy         ± 2% @ Lead II           High Level         200 times Amplitude           ECG Performance         Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.1025, 2.000 Hz         Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%         Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300 mmHg         Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω         Accuracy         ± 10%         Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz         Sensitivity         5 or 40 µV/V/mmHg           Rate         Appea,15,20,30,40,60,80,100,7         20 BrPM           Accuracy         ± 1%         Impedance         200 BrPM           Accuracy         ± 1%         Impedance         20,30,40,60,80,100,7           Baseline         0.1,0.2,0.5,1.0,2.0,3.0 Ω         Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω         Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω         Accuracy         ± 5%           Lead         LA or LL         Temperature         30,37	Rate	30,60,80,120,180,240,300 BPM	
Accuracy         ± 2% @ Lead II           High Level         200 times Amplitude           ECG Performance           Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300 mmHg           Static Pressure         0,20,40,80,100,200,250,300 mmHg           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Rate         Apnea,15,20,30,40,60,80,100,7           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86,0,98,6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type	Accuracy	± 1%	
High Level         200 times Amplitude           ECG Performance           Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300           Static Pressure         0,20,40,80,100,200,250,300           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Rate         Apnea,15,20,30,40,60,80,100,7           QD BrPM         Accuracy           4 1%         Impedance delta           0.1,0.2,0.5,1.0,2.0,3.0 Ω         Accuracy           4 10%         Baseline           500,1000 Ω         Accuracy           4 10%         Easeline           500,1000 Ω         Accuracy           4 LA or LL         Temperature           30,37,40 °C (86.0,98.6,104.0 °F)         Accuracy           500_2 Simulation (MSP-	Amplitude	0.5, 1.0, 1.5, 2.0 mV	
ECG Performance           Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300           Static Pressure         0,20,40,80,100,200,250,300           MmHg         Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Respiration         20 BrPM           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)	Accuracy	± 2% @ Lead II	
Sine Wave         0.1,0.5,5,10,40,50,60,100 Hz           Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300 mmHg           Static Pressure         0,20,40,80,100,200,250,300 mmHg           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Respiration         20 BrPM           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)	High Level	200 times Amplitude	
Square Wave         0.125, 2.000 Hz           Triangle Wave         2.000 Hz           Rate Accuracy         ± 1%           Amplitude Accuracy         ± 2% @ Lead II           Blood Pressure         0,20,40,80,100,200,250,300 mmHg           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Rate         Apnea,15,20,30,40,60,80,100,120 (20,30,00,120 (20,30,00	ECG Performance		
Triangle Wave2.000 HzRate Accuracy± 1%Amplitude Accuracy± 2% @ Lead IIBlood PressureStatic Pressure0,20,40,80,100,200,250,300 mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 V RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 μV/V/mmHgRateApnea,15,20,30,40,60,80,100,7 20 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Impedance delta500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO2 Simulation (MSP-2100 & FingerSim™ Req'd.)	Sine Wave	0.1,0.5,5,10,40,50,60,100 Hz	
Rate Accuracy± 1%Amplitude Accuracy± 2% @ Lead IIBlood PressureStatic Pressure0,20,40,80,100,200,250,300 mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 V RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRateApnea,15,20,30,40,60,80,100,7 20 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Impedance delta500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO2 Simulation (MSP-2100 & FingerSim™ Req'd.)	Square Wave	0.125, 2.000 Hz	
Amplitude Accuracy± 2% @ Lead IIBlood PressureStatic Pressure0,20,40,80,100,200,250,300 mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 V RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRespirationRateApnea,15,20,30,40,60,80,100, 120 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim™ Req'd.)	Triangle Wave	2.000 Hz	
Blood PressureStatic Pressure0,20,40,80,100,200,250,300 mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 ∨ RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRateApnea,15,20,30,40,60,80,100,7 20 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Impedance delta500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO₂ Simulation (MSP-210 & FingerSim™ Req'd.)	Rate Accuracy	± 1%	
Static Pressure         0,20,40,80,100,200,250,300 mmHg           Accuracy         ± (2% of Reading + 2 mmHg)           Impedance         300 Ω           Accuracy         ± 10%           Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 µV/V/mmHg           Rate         Apnea,15,20,30,40,60,80,100,7 20 BrPM           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 1%           Impedance delta         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700	Amplitude Accuracy	± 2% @ Lead II	
Static PressuremmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 V RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRespirationRateApnea,15,20,30,40,60,80,100,1 20 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Baseline500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (860,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO₂ Simulation (MSP-2100 & FingerSim™ Req'd.)	Blood Pressure		
mmHgAccuracy± (2% of Reading + 2 mmHg)Impedance300 ΩAccuracy± 10%Excitation Range2 to 16 ∨ RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRateApnea,15,20,30,40,60,80,100,1 20 BrPMAccuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Impedance delta500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO2 Simulation (MSP-2100 & FingerSim™ Req'd.)	Static Pressure	0,20,40,80,100,200,250,300	
Impedance       300 Ω         Accuracy       ± 10%         Excitation Range       2 to 16 V RMS         Excitation Frequency       DC to 5 kHz         Sensitivity       5 or 40 µV/V/mmHg         Rate       Apnea, 15, 20, 30, 40, 60, 80, 100, 120 BrPM         Accuracy       ± 1%         Impedance delta       0.1, 0.2, 0.5, 1.0, 2.0, 3.0 Ω         Accuracy       ± 10%         Baseline       500, 1000 Ω         Accuracy       ± 5%         Lead       LA or LL         Temperature       30, 37, 40 °C (86.0, 98.6, 104.0 °F)         Accuracy       ± 0.1 °C (± 0.1 °F)         Type       YSI Series 400 and 700         SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)		mmHg	
Accuracy± 10%Excitation Range2 to 16 ∨ RMSExcitation FrequencyDC to 5 kHzSensitivity5 or 40 µV/V/mmHgRateApnea,15,20,30,40,60,80,100,4Accuracy± 1%Impedance delta0.1,0.2,0.5,1.0,2.0,3.0 ΩAccuracy± 1%Baseline500,1000 ΩAccuracy± 5%LeadLA or LLTemperature30,37,40 °C (86.0,98.6,104.0 °F)Accuracy± 0.1 °C (± 0.1 °F)TypeYSI Series 400 and 700SpO2 Simulation (MSP-2100 & FingerSim™ Req'd.)	Accuracy	± (2% of Reading + 2 mmHg)	
Excitation Range         2 to 16 V RMS           Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 μV/V/mmHg           Respiration           Rate         Apnea,15,20,30,40,60,80,100,7           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature           30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)	Impedance	300 Ω	
Excitation Frequency         DC to 5 kHz           Sensitivity         5 or 40 μV/V/mmHg           Respiration         Apnea,15,20,30,40,60,80,100,4           Rate         Apnea,15,20,30,40,60,80,100,4           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)	Accuracy	± 10%	
Sensitivity         5 or 40 μV/V/mmHg           Respiration           Rate         Apnea, 15, 20, 30, 40, 60, 80, 100, 120 BrPM           Accuracy         ± 1%           Impedance delta         0.1, 0.2, 0.5, 1.0, 2.0, 3.0 Ω           Accuracy         ± 10%           Baseline         500, 1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)	Excitation Range	2 to 16 V RMS	
Respiration           Rate         Apnea,15,20,30,40,60,80,100,4           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim™ Req'd.)	Excitation Frequency	DC to 5 kHz	
Rate         Apnea,15,20,30,40,60,80,100,1 20 BrPM           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>TM</sup> Req'd.)	Sensitivity	5 or 40 μV/V/mmHg	
Rate         20 BrPM           Accuracy         ± 1%           Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Respiration		
Impedance delta         0.1,0.2,0.5,1.0,2.0,3.0 Ω           Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim™ Req'd.)	Rate	Apnea,15,20,30,40,60,80,100,1 20 BrPM	
Accuracy         ± 10%           Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO₂ Simulation (MSP-2100 & FingerSim™ Req'd.)	Accuracy	± 1%	
Baseline         500,1000 Ω           Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO₂ Simulation (MSP-2100 & FingerSim™ Req'd.)	Impedance delta	0.1,0.2,0.5,1.0,2.0,3.0 Ω	
Accuracy         ± 5%           Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO₂ Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Accuracy	± 10%	
Lead         LA or LL           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Baseline	500,1000 Ω	
Temperature           Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO₂ Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Accuracy	± 5%	
Temperature         30,37,40 °C (86.0,98.6,104.0 °F)           Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO₂ Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Lead	LA or LL	
Accuracy         ± 0.1 °C (± 0.1 °F)           Type         YSI Series 400 and 700           SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Temperature		
Type     YSI Series 400 and 700       SpO₂ Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Temperature	30,37,40 °C (86.0,98.6,104.0 °F)	
SpO₂ Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)	Accuracy	± 0.1 °C(± 0.1 °F)	
Rate 30 to 300 BPM	SpO <sub>2</sub> Simulation (MSP-2100 & FingerSim <sup>™</sup> Req'd.)		
	Rate	30 to 300 BPM	
<b>SpO<sub>2</sub> Output</b> 80, 90 & 97%	SpO <sub>2</sub> Output	80, 90 & 97%	



etphil Medical



PS-2105



Metphil Medical Company 3F Insular Life Bldg., Abanao Extension Baguio City, Philippines Phone: +63 74 422 5751 Email: sales@metphil.com Website: www.metphil.com



PS-2110 with (optional) MSP-2100 & FingerSim™