

Definition of an “Event” – An event is any of the following: A 22% drop in heart rate (bradycardia), a 29% rise in heart rate (tachycardia), a 50% drop to a 60% rise in effort with a duration of 10 to 60 seconds (Hypopnea), a SpO2 drop of 3% or a combined HR drop of 12.5% and a SpO2 drop of 3% (Apnea context).

## Materials:

### Respironics Stardust II Sleep Diagnostic Device

#### Specifications:

- Memory: 8.5 hours minimum
- Finger Clip Probe:
  - o SpO2 85%-100% +/-2.0%FS
- Pulse Rate (bpm):
  - o 3-200 +/-3 digits
- Emitter Light Wavelength and Output:
  - o Red 660nm +/-5nm, 25mCd (min.)
  - o Infrared 880nm +/-10nm, 1mW (typ.)
- Nasal Pressure Cannula:
  - o Range -5 to +5 hPa (cm H2O)
  - o Sensitivity 0.06 hPa (cm H2O)
- Effort Sensor

### Respironics Stardust II Host Software

#### Specifications:

- Version 2.0.22
- REF #1012120

### TRENDnet Serial to USB Converter

### Triplett SoniChek MC Sound Level Meter

#### Specifications:

- Frequency response: 31.5Hz to 8kHz
- Measuring Level Range: 40dB to 130dB
- Frequency Weighting: C
- Microphone 1/2in electrets condenser microphone
- .1dB resolution
- Accuracy: +/- 3.5dB @ 1kHz, 94dB reference

### EXTECH Instruments Foot Candle Light Meter ( Model 401027)

#### Specifications:

- Range: 0 – 199.9Fc, 200 – 1999Fc
- Sensor: Photo-Diode with color correction filter
- Resolution: .1Fc, 1Fc
- Accuracy: +/- (5% + 4 digits) Full Scale

### EXTECH Instruments Digital Temperature Alarm (Model 401012)

#### Specifications:

- Range: -5°F – 158°F
- Resolution: .1°F

Sleeptracker Pro Elite Watch