# The Nox A1s & Nox T3s Systems

A guide to the specifications, channels and signals within the Nox A1s polysomnography and Nox T3s home sleep apnea testing systems.

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# The Nox T3s System

## Specifications



## 24 channels and signals

### 10 Recorded Channels

- 2 x Bipolar Channels
- Thorax Breathing Effort (RIP)
- Abdomen Breathing Effort (RIP)
- Respiratory Sound (Mic)
- Audio Volume (Db)
- Gravity (3D Axis, x,y,z)
- Activity (Accelerometer)
- Position (Accelerometer)
- Ambient Light

### 11 Derived Signals

- Heart Rate (ECG)
- Calibrated RIP Flow
- Calibrated RIP Sum
- RIP Flow
- RIP Sum
- RIP Phase
- PTT
- Respiratory Rate
- PWA (Pleth-Amplitude)
- Flow (Nasal Pressure)
- Snore (Nasal Pressure)

### 3 Recorded Signals (Wireless Pulse Oximeter)

- Oxygen Saturation (SpO2 Averaged)
- Pulse
- Plethysmograph

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# The Nox A1s System

## 39 channels and signals

### 25 Recorded Channels

- 8 x EEG (F3,F4,C3,C4,O1,O2,M1,M2)
- 2 x EOG
- 3 x Chin EMG
- 2 x Bipolar Legs
- 1 x ECG
- 1 x General purpose bipolar channel
- Thorax Breathing Effort (RIP)
- Abdomen Breathing Effort (RIP)
- Respiratory Sound (Mic)
- Audio Volume (Db)
- Gravity (3D Axis, x,y,z)
- Activity (Accelerometer)
- Position (Accelerometer)
- Ambient Light

### 3 Recorded Signals (Wireless Pulse Oximeter)

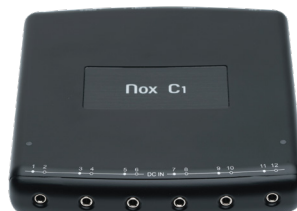- Oxygen Saturation (SpO2 Averaged)
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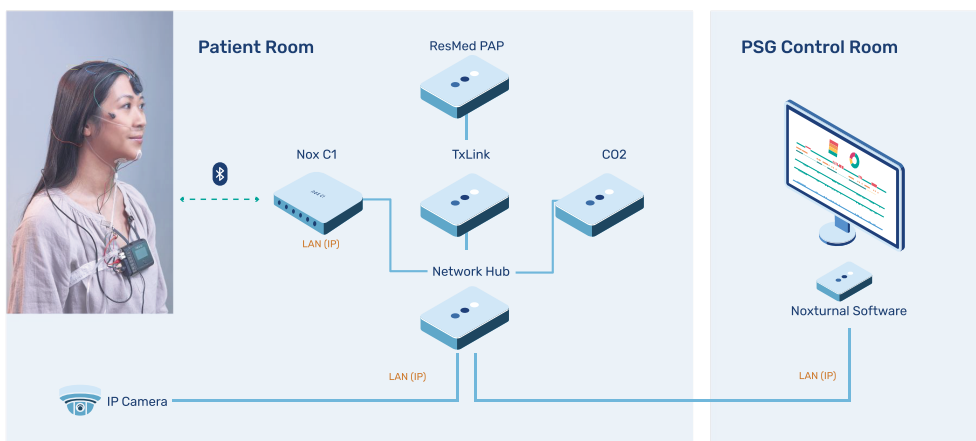
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# The Nox A1s with Nox C1 setup

## The Nox C1 Access Point: 16 CHANNELS

- 12 Channels of Auxiliary DC Inputs
- Differential Pressure Port
- 2 x RS-232 Serial Ports
- Ambient Light Detector
- 2 x USB port
- LAN port

# The Nox A1s & Nox C1: PSG online setup

**Total Channels and Signals of Nox A1s, Nox C1, Sentec SDM CO2 and ResMed TxLink plus IP Camera: 70 CHANNELS**



## Additional Channels with Nox A1s with Nox C1 setup

ResMed TxLink with PAP connection Tx (10 Channels)

- PAP Flow
- PAP Pressure
- IPAP
- EPAP
- PAP Filtered Leak
- PAP Inspiratory Time
- PAP Minute Ventilation
- PAP Respiratory Rate
- PAP Set Pressure
- PAP Tidal Volume

Sentec SDM Transcutaneous CO2 (5 Channels)

- CO2 Values
- CO2 Power
- CO2 Pulsation Index
- CO2 Averaged SpO2
- CO2 Averaged Pulse