



Atlas | Conscious Sedation Monitoring

## Welch Allyn Atlas™ Monitor

Conscious sedation monitoring that's more efficient, more convenient and more affordable.



**WelchAllyn**®

Advancing Frontline Care™

# The Welch Allyn® Atlas™ Monitor



## A conscious sedation monitor designed specifically for the increasing growth of outpatient surgery and procedures.

Advanced surgical techniques, new anesthetics, the need to lower healthcare costs—they're all pointing toward more outpatient surgeries and procedures in hospitals, surgicenters and physician offices. That's why you need the Welch Allyn Atlas monitor, a vital signs monitor specifically designed to monitor patients during conscious sedation and IV anesthesia procedures for these markets.

Designed with input from physicians and nurse anesthetists, this conscious sedation monitor offers bright, clear, "across-the-room" visibility with large LED readouts and crisp waveform displays, giving you at-a-glance convenience and more time to concentrate on your patient. The intuitive design means users can learn to operate the monitor in just minutes.

The Atlas monitor goes where your patient goes, effortlessly. Lightweight and portable, it can be set on a cart or countertop, wheeled on its own dedicated mobile stand, mounted on the wall or carried using the integrated side handle.

We offer the flexibility to configure the monitor that best fits your needs, and it's upgradeable, should your needs change in the future.

Best of all, it's at a cost that you can afford.

## Standard Parameters

**3- or 5-lead ECG**—includes heart rate display with programmable alarms.

**Motion-tolerant pulse oximetry**—Nellcor Puritan Bennett brand includes programmable, low-alarm limit and pulse tone feature, plus real-time plethysmograph waveform.

**NIBP**—automatic blood pressure mode with 7 measurement interval choices and programmable alarm limits.

## Optional Parameters

**Temperature**—uses skin sensor temperature probe compatible with YSI series 400 thermistor probes.

**Respiration**—real-time waveform, adjustable sweep speed and programmable alarm limits.

**ETCO<sub>2</sub>**—provides numeric and waveform data using sidestream technology. Special features include respiration rate and programmable alarms.

## Special Features

**Completely upgradeable**—maximize your investment even if your needs change in the future.

**Trend memory** for up to 144 sets of patient data.

**Optional dual-trace printer** for waveform and trend recording. Print-on-alarm feature immediately documents a patient alarm or invalid measurement, saving time during procedure and charting process.

**Optional battery** for short-term transport or low-power conditions.

**Optional RS232 interface** with nurse call capability.



Designed specifically for conscious sedation and IV anesthesia in a wide variety of healthcare sites.

### Office- or Clinic-Based Procedures and Surgery

- > Plastic & Reconstructive Surgeons
- > Oral/Maxillofacial Surgeons
- > Pain Control Clinics
- > Anesthesiologists
- > Gastroenterologists
- > Podiatrists
- > Reproductive Fertility Specialists
- > Urgent Care Centers
- > Oncology/Hematology Clinics

### Freestanding Surgery Centers

- > Surgery & Recovery

### Hospital Procedure Areas

- > Emergency Department
- > Outpatient Surgery & Recovery
- > Endoscopy
- > Radiology/Imaging
- > Other Special Procedure Areas

## Specifications

### 3-Lead or 5-Lead Selectable ECG

Heart Rate Range: 20-250 bpm  
Heart Rate Accuracy:  $\pm 3$  bpm or  $\pm 3\%$ , whichever is greater  
Bandwidth: 0.5-40 Hz (monitor mode) or 0.05-100 Hz (extended mode)  
Display Sweep Speeds: 25, 12.5 or 6.25 mm/sec

### Noninvasive Blood Pressure

Systolic Measurement Range: 60-250 mmHg  
Diastolic Measurement Range: 30-160 mmHg  
Blood Pressure Accuracy: Meets AAMI SP10-1992 Standard  
Operating Modes: Manual (single determination) or Automatic Mode  
Cycle Interval Choices: 1, 3, 5, 10, 15, 30 or 60 minutes

### Pulse Oximetry (Nellcor Puritan Bennett™)

Measurement Range: 40-100%  
Accuracy:  $\pm 2$  digits (no motion),  $\pm 3$  digits (with motion) in the range of 0-100%  
Pulse Rate Range: 20-250 bpm  
Pulse Rate Accuracy:  $\pm 3$  digits (no motion),  $\pm 5$  digits (with motion)

### Temperature

Range: 17-50° C (62.6-122° F)  
Accuracy: Meets ASTM Accuracy Standards  
Probe Type: YSI Series 400 Compatible

## Full, 2-Year Warranty

Every Welch Allyn Atlas monitor is backed by a full 2-year warranty on all parts and service. A customer service hotline is available and a loaner unit will be provided free of charge if warranty service is required.

## Ordering Information

Model	Description
621NO	ECG/Nellcor Puritan Bennett SpO <sub>2</sub> /NIBP
621NP	ECG/Nellcor Puritan Bennett SpO <sub>2</sub> /NIBP/Printer
622NO	ECG/Nellcor Puritan Bennett SpO <sub>2</sub> /NIBP/Temperature/Respiration/Battery/RS232
622NP	ECG/Nellcor Puritan Bennett SpO <sub>2</sub> /NIBP/Temperature/Respiration/Battery/RS232/Printer
623NP	ECG/Nellcor Puritan Bennett SpO <sub>2</sub> /NIBP/ETCO <sub>2</sub> /Temperature/Respiration/Battery/RS232/Printer

For all models above, use a letter and number suffix to designate language and line cord.  
Languages: E=English, S=Spanish, G=German, F=French, I=Italian, P=Portuguese, C=Chinese, J=Japanese  
Line Cords: 1=US/Canada/Japan, 2=European, 4=United Kingdom, 6=Australia

### Impedance Respiration

Range: 5-100 breaths per minute  
Accuracy:  $\pm 3$  breaths per minute

### End Tidal Carbon Dioxide

Measurement Technique: Sidestream  
Measurement Range: 0-98 mmHg  
ETCO<sub>2</sub> Accuracy: 0-40 mmHg  $\pm 3$  mmHg; 41-98 mmHg  $\pm 10\%$  of reading  
Breath Rate Measurement Range: 5-100 breaths per minute  
Breath Rate Accuracy:  $\pm 1$  breath per minute or  $\pm 5\%$ , whichever is greater

### General

Size: 35 cm x 23 cm x 25 cm (13.8" x 9.1" x 9.8")  
Weight: 4.3-5.5 kg (9.5-12.1 lbs) dependent on configuration  
Power Requirements: 120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz  
Printer: Thermal array, prints waveforms and numerical trends  
Battery: Lead acid, rechargeable



Atlas Monitor shown with optional mobile stand

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