

Conscious sedation monitoring has finally become more efficient, more convenient and more affordable.



WelchAllyn®
Atlas™

Advanced monitoring made affordable.

The very best monitor at the very best price.

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. Which points to the need for a dedicated, first-rate conscious sedation monitor. Introducing the Welch Allyn® Atlas™ monitor, the first vital signs monitor specifically designed to monitor patients during conscious sedation and IV anesthesia procedures.

The Welch Allyn® Atlas™ monitor is the first monitor designed specifically for conscious sedation and IV anesthesia procedures and surgery.

Now the best is the most affordable.

Welch Allyn has built a worldwide reputation on innovation in medical diagnostics. And the Welch Allyn Atlas monitor may be the best example yet—all-in-one monitoring capability for

conscious sedation procedures at a price that may be the biggest breakthrough of all.

Bright, clear “across-the-room” visibility.

We know that you don't stand in one spot. So we made sure that



More

capability for less cost.

you can see your patient's waveforms and data from virtually anywhere in the room. Large, bright LED readouts and crisp waveform displays give you at-a-glance convenience and more time to concentrate on your patient.



Ease of use that anticipates your needs.

We call it intuitive design, the kind of common-sense approach that lets the monitor virtually explain itself. Users can learn to operate the monitor in just minutes, then use it easily and get essential information from one source, rather than “making do” with an improvised configuration of multiple instruments.

Take it where you need it.

The Atlas monitor goes where your patient goes, effortlessly. Light-

weight 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.

The essential functions without the costly extras.

Before we built the Atlas monitor, we talked to the physicians, nurse anesthetists, and nurses who will use it. In a very real sense, they helped design it. The result is a lean, practical, hard-working instrument with the flexibility to configure the monitor that best fits your needs.

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

HOSPITAL PROCEDURE AREAS:

EMERGENCY DEPARTMENT
OUTPATIENT SURGERY AND RECOVERY
ENDOSCOPY
RADIOLOGY / IMAGING
OTHER SPECIAL PROCEDURE AREAS

FREESTANDING SURGERY CENTERS:

SURGERY & RECOVERY

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



Easy-to-read patient data and simple, straightforward operation make the Welch Allyn® Atlas™ ideal for all types of procedure areas, including endoscopy.

Standard parameters include:

- **ECG**—View either 3-lead or 5-lead electrocardiograph waveforms with the ability to change your view of the heart with just a button press. Includes heart rate display with programmable alarms.
- **PULSE OXIMETRY**—Nellcor motion-tolerant pulse oximetry delivers accurate readings in challenging motion conditions and low perfusion. Includes a programmable low-alarm limit and pulse tone feature, as well as real-time plethysmograph waveform.
- **BLOOD PRESSURE**—Uses the noninvasive, oscillometric technique for highly accurate determination of systolic, diastolic and mean arterial pressure (MAP).

Special features include an automatic blood pressure mode with 7 measurement interval choices, and programmable alarm limits.

Optional parameters include:

- **TEMPERATURE**—Continuously monitored using a skin surface temperature probe. Compatible with YSI Series 400 thermistor probes.
- **RESPIRATION**—Transthoracic impedance technique with real-time waveform, adjustable sweep speed and programmable alarm limits.

- **ETCO₂**—End tidal carbon dioxide measurement for clinical assessment of ventilation. Provides both numeric and waveform data using side-stream technology. Special features include respiration rate and programmable alarms.

Special features include:

- 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 both waveform and trend recording. Print on alarm immediately documents a patient alarm or invalid measurement, saving time during the procedure and charting process.
- Optional battery for short-term transport or low power conditions.
- Optional RS232 interface with Nurse Call capability.

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Advanced monitoring made affordable.

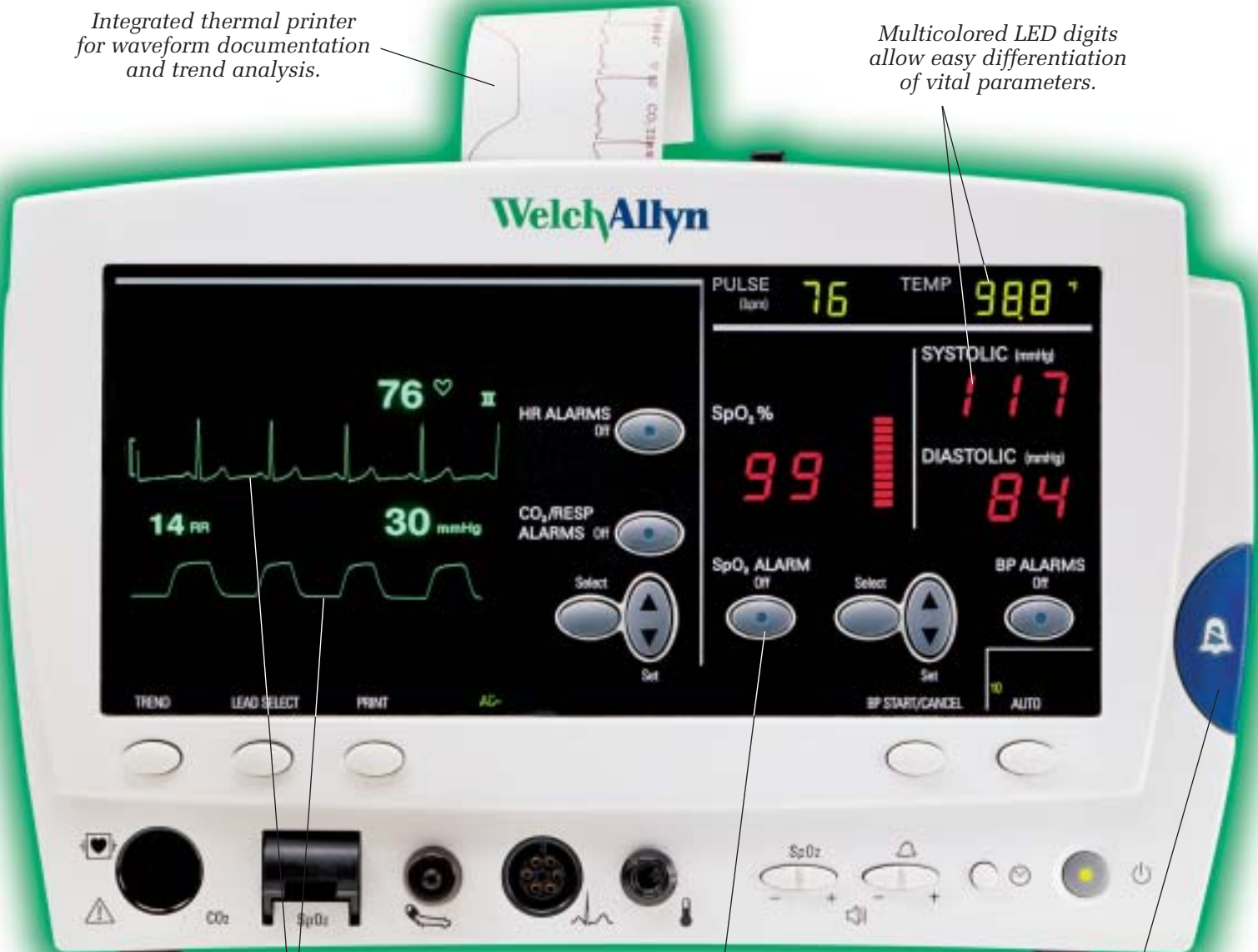
Only Nellcor Puritan Bennett™ oxygen transducers should be used with the Welch Allyn Atlas Monitor which has the Nellcor Puritan Bennett pulse oximetry option.

THE WELCH ALLYN® ATLAS™ MONITOR

Essential features for IV anesthesia monitoring
in one compact, lightweight instrument.

*Integrated thermal printer
for waveform documentation
and trend analysis.*

*Multicolored LED digits
allow easy differentiation
of vital parameters.*



*Bright, crisp waveforms
with "across-the-room"
visibility.*

*Push-button operation makes
Atlas intuitive to use.*

*Large, easily accessible
Alarm Silence button.*

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. To support efficient service and repair, Welch Allyn has developed the Welch Allyn TechView CD-ROM. Available at no cost, this unique CD includes complete technical service information for all Welch Allyn medical equipment, including the Atlas monitor.



Monitor shown with optional mobile stand.

S P E C I F I C A T I O N S

3-LEAD OR 5-LEAD SELECTABLE ECG

Heart Rate Range: 20-250 bpm

Heart Rate Accuracy: ± 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: ± 2 digits (no motion), ± 3 digits (with motion) in the range of 70-100%

Pulse Rate Range: 20-250 bpm

Pulse Rate Accuracy: ± 3 digits (no motion) at 20-250 bpm, ± 5 digits (with motion) at 55-125 bpm

TEMPERATURE

Range: 17-50° C (62.6-122.0° F)

Accuracy: Meets ASTM Accuracy Standards

Probe Type: YSI Series 400 Compatible

IMPEDANCE RESPIRATION

Range: 5-100 breaths per minute

Accuracy: ± 3 breaths per minute

END TIDAL CARBON DIOXIDE

Measurement Technique: Sidestream

Measurement Range: 0-98 mmHg

ETCO₂ Accuracy: 0-40 mmHg: ± 3 mmHg; 41-98 mmHg $\pm 10\%$ of reading

Breath Rate Measurement Range: 5-100 breaths per minute

Breath Rate Accuracy: ± 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) dependant 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

O R D E R I N G I N F O R M A T I O N

MODEL DESCRIPTION

621NO ECG / Nellcor Puritan Bennett SpO₂ / NIBP

621NP ECG / Nellcor Puritan Bennett SpO₂ / NIBP / Printer

622NO ECG / Nellcor Puritan Bennett SpO₂ / NIBP / Temperature / Respiration / Battery / RS232

622NP ECG / Nellcor Puritan Bennett SpO₂ / NIBP / Temperature / Respiration / Battery / RS232 / Printer

623NP ECG / Nellcor Puritan Bennett SpO₂ / NIBP / ETCO₂ / 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=Australian

SM2285 Rev. B

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