

WELCH ALLYN SURVEYOR S19

ABOUT

The **Welch Allyn Surveyor S19** features a 19-inch touchscreen display and is a patient monitoring system utilized in various environments such as surgery centers, dental offices, and in-office surgery clinics. This monitor boasts a high-resolution display with customizable layouts that can present up to eight waveforms simultaneously. Additionally, it offers advanced monitoring functionalities.

FEATURES

The Surveyor S19 has a high-resolution 19" touchscreen display.

The Surveyor S19 includes an external thermal printing feature for increased flexibility.

The Capnography Monitoring system from Covidien utilizes their innovative Microstream technology to ensure reliable CO2 monitoring.



SPECIFICATIONS

DIMENSIONS

Width: 18.4 in (31.5 cm)
Height: 11.4 in (20.3 cm)
Depth: 3.8 in (12.5 cm)
Weight: 11.2 lbs (3 kg)

DISPLAY

Type: High-definition, antiglare 16:9 color TFT LCD with LED backlight and resistive touch panel controls
Resolution: 11.6" diagonal; 256mm x 144mm active area
Size: 1366 x 768 pixels

PULSE OXIMETRY

Measurement Method: Absorption-Spectrophotometric (dual wavelength)
Technology: Nelcor OxiMax or Mortara Surveyor
Measurement Range: SpO₂: 30–100%, calibrated range 70–100%
Pulse Rate Measurement Range: PR with Surveyor SpO₂: 30–240 bpm PR with Nelcor SpO₂: 25–250 bpm

TEMPATURE

Input Connector Temp: 2-pin connector
Measurement Range: T₁ & T₂: 5.0 to 50.0°C (41.0 to 122.0°F) T: 0.0 to 50.0°C (32.0 to 122.0°F)
Probe Compatibility CO₂: YSI 400-series probes

TRENDS

Trend Data Trend Up to 72 hours of parameter data
Display Intervals 1 min, 5 min, 15 min, 1 hr, 4 hrs

LANGUAGES

English, Italian, German, Spanish, Portuguese, French,

Dutch

CO₂

Measurement Method Technology: Side-stream (Non-dispersive IR absorption) Covidien Microstream INPUT CONNECTOR MEASUREMENT RANGE FilterLine® etCO₂: + FiCO₂: 0 to 150 mmHg Resp: 0 to 150 bpm

RECORDER SPEED/RESOLUTION

25mm/s, 200 (v) x 400 (h) dpi

PRINT WIDTH/PAPER WIDTH

48mm/50mm

POWER/BATTERY

Source: AC power/battery
AC Powersource External: AC power adapter 100–240 VAC; 1.2 A max; 50–60 Hz
Type: Internal lithium-ion rechargeable; 8700 mAh
Runtime: 3 Hours
Recharge Time: 7 Hours Maximum

INVASIVE PRESSURE

Measurement Range: -50 to 300 mmHg
Pulse Rate Measurement Range: 30–250bpm

RESPIRATION

Method 1: Capnography Range: 0 to 150 bpm
Method 2: Impedance Pneumography Via 3- or 5-lead patient cable Sensing lead 2 Range: 2 to 120 bpm

PULSE RATE MEASUREMENT RANGE

30–240bpm

SPECIFICATIONS (CONT.)

ECG

Modes: Adult/pediatric

Simultaneous Leads Available: 3-lead patient cable:
I, I, I 5-lead patient cable: I, I, I, aVR, aVL, aVF, and V
AM12: I, I, I, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6

Interpretation: Available with AM12 acquisition
module only

Ecg Gain: 2.5, 5, 10, or 20 mm/mV

Beat Recognition: Normal, ventricular, paced

HR Measurement Range: 215–300 bpm

Pacer Display/Analysis: User selectable

Arrhythmia Detection: VFib, Asystole, VTach,
PVC Run, VRhythm, Couplet, Bigeminy, Sustained
Tachycardia, Sustained Bradycardia, Irregular, PVC/m
too high, Pause, Pacer Non-Capture

ST Segment Analysis Sensing leads: any ECG lead
available based on lead set used