

Welch Allyn[®] PIC 30

Monitor • Defibrillator • Pacer



Welch Allyn PIC 30

The most innovative, reliable monitor/defibrillator/pacer available. The perfect instrument for crash carts in all environments. Simple operation with dedicated controls for monitor, defibrillator, pacing and treatment summary.

The PIC 30 is part of Welch Allyn's complete range of diagnostic and therapeutic cardiology products. From defibrillators, to monitors, to ECGs, to Holters, to ABPMs and more - you can count on Welch Allyn cardiac products to meet your every need.

Key Features

- Welch Allyn Biphasic technology
- Small (16.7 x 12.5 x 5.3 inches; 41.75 x 32 x 13 cm)
- Lightweight (13.5 lbs, 6.1 kg)
- Defibrillator - fast charge to 360 J in less than 7 seconds
- Hands-free defibrillation capability (available)
- Large 6.4 inch color display provides easy-to-use data and waveform
- Annotating recorder: records date, time, heart rate, ECG lead, frequency response - delivered energy
- Comprehensive event log summary
- Heart Rate Alarms - user selectable with auto heart rate setting
- User replaceable battery with AC back-up power capability
- Advisory Defibrillation (optional) field upgradeable
- External Pacer (optional)
- Also available with monochrome display



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Ideal for all crash-cart applications

WelchAllyn[®]

Advancing Frontline Care

Welch Allyn® PIC 30

GENERAL

Weight: 13.5 lbs (6.1 kg) (basic configuration)
Size: 16.7 x 12.5 x 5.3 inches; 41.75 x 32 x 13 cm

Operating:

Time: 2 hours
Temperature*: 0 to 45° C
Humidity* (NC): 15 to 95% RH
Vibration*: MIL-STD 810E
Shock / Drop*: MIL-STD 810E
Altitude: Up to 15,000 feet

Transport and Storage: Temperature (-30 to 70°C), humidity (15 to 95% non-condensing), atmospheric pressure (860 to 1060 hPa), shock/vibration (ISTA 1A)

Enclosure Protection*:

Solid Foreign Object: IEC 529, IP2X
Water: IEC 529, IPX4

* All tests performed per AAMI DF-2 Defibrillation Standard

Operating Power: Battery pack or auxiliary power supply

DEFIBRILLATOR

Waveform:

Biphasic: Low current, impedance compensated, optimized terminating current, truncated exponential biphasic

Energy Select:

External: 2, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360 J
Internal: 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 50 J

Charge Time: < 7 seconds @ 360 J (with a charged battery)
< 15 seconds @ 360 J (no battery, 90% AC mains voltage)

Charge Indicator: Audible and graphic

Output: Adult paddles, internal paddles, peds adapter and multipurpose hands-free adapter available

Synchronizer: Delivers energy within 60 msec

Disarm: Front panel switch

POWER

Mains Voltage: 100-240VAC (auto ranging)

Mains Frequency: 50/60Hz

BATTERY – (User replaceable)

Type: NiCad 12 volt

Low Battery Indicator: Low battery icon on display

Multiple Paired Contacts: Ensures quick, error-free insertion and backup reliability

Recharge Rate: 80% in 3 hours. 100% in 4 hours

MONITOR/DISPLAY

Input: 3-lead or 5-lead patient cable, paddles, or multipurpose hands-free adapter

Size: 6.4 inch (16.5 cm) diagonal, non-fade

Type: LCD color

Display Resolution: 640 x 480 pixels

Sweep Speed: 25 mm / sec

Lead Selections: Paddles (Pads), I, II, III, AVR, AVL, AVF, V

Frequency Response: (User-selectable)

- 2 to 20 Hz Limited mode
- 0.5 to 40 Hz Monitor mode
- 0.05 to 150 Hz Diagnostic mode

(automatically sets chart recorder response)

Common Mode Rejection: Complies with AAMI EC13-1992 section 3.2.9.10

Heart Rate Meter: 20 to 300 BPM

Heart Rate Alarms: User-selectable

Size: 0.125, 0.25, 0.5, 1, 2, 4 cm/mv and auto-ranging

RECORDER

Type: High-resolution thermal array

Annotation: Time, date, ECG lead, ECG gain, heart rate, defibrillation and pacing parameters and treatment summary ACLS events

Paper Width: 50 mm

Paper Speed: 25 mm/sec

Delay: 6 seconds

Frequency Response: Automatically set to monitor's frequency response

Treatment Summary: Records defibrillation, pacing and status events. Automatically logs into memory the type of event, time and ECG sample

Tx Summary Log: 28 ECG events or 300 non-ECG events

Record Modes: Manual and automatic

PACER (option)

Type: External transcutaneous pacing

Pacer Rate: 30 to 180 BPM \pm 5%.

Output Current: 30 to 180 mA \pm 10% or 5 mA (whichever is greater)

Modes: Demand and asynchronous

Status Indicators: ECG lead fault, pace lead fault, pace marker on monitor and chart, start/stop LED

Pulse Type: Rectangular, constant current

Pulse Width: 20 ms

Refractory Period: 250 ms

Output Protection: 360 Joules

ADVISORY MODULE (option)

Operation: Push button initiates a single ECG analysis cycle. Advises defibrillation on VFIB or shockable VTACH

Analysis Time: 4-16 seconds

Outputs: Visual Display of Analysis results and prompts

Visual Prompts: "Analyzing – Stand Back", "No Shock Advised", "Shock Advised", "Motion Detected", "Lead Fault", "Attach Defibrillator Pads"

Option upgrade capability: Unit can be upgraded to add an advisory option in the field

CERTIFICATION

North American certification: UL and cUL

ORDERING INFORMATION

973039C00* Welch Allyn PIC 30 Manual Defibrillator

973039CPO* Welch Allyn PIC 30 with External Pacing and Multifunction Pads

973039COA* Welch Allyn PIC 30 with Shock Advisory Feature

973039CPA* Welch Allyn PIC 30 with External Pacing, Multifunction Pads, and Shock Advisory



Welch Allyn

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