

# 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



*Welch Allyn PIC 30  
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

1000 Asbury Drive, Buffalo Grove, IL 60089 Tel: 847/520-0300 • 800/462-0777

Fax: 847/520-0303 www.welchallyn.com

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