LIFE-STAT™

HANDS FREE CPR SYSTEM

www.life-stat.com **800.530.9939**

COMPARISON OF MANUAL CPR TO LIFE-STAT™ CPR

QUALITY CPR REQUIREMENTS	MANUAL CPR	LIFE-STAT™ CPR
100 Compressions/minute	Difficult to perform well	Delivers exactly 100/minute
50:50 Systolic to diastolic	Difficult to perform well	Delivers exactly 50:50
Compression depth 1.5 inches	Difficult to perform well	Exact depth can be set
Full chest release	Difficult to perform well	Active full chest release – demonstrated synergy with ITD and ITPR technology to increase cardiac output
30:2 Mode – facemask ventilation	Difficult to perform, must count to 30, give two breaths	Exact, hands-free, automatic
Continuous CPR – advanced airway	Takes two rescuers, one does compressions at rate of 100/min, one does ventilation at rate of 8 to 10/min	Exact, hands-free, automatic. Rescuers freed to do other tasks
Keep performing as long as required	AHA states rescuers fatigue after only one minute compromises quality of CPR	Can provide exact AHA CPR for as long as needed. Rescuers freed to do other tasks
Provide defibrillator shock	Rescuer must stand clear	Provides CPR during and after shock delivered
Perform CPR while patient is being carried to emergency vehicle	Requires at least 3 rescuers and chest compressions are usually ineffective because of movement and awkward angle	Requires only two rescuers to carry patient. Fully effective CPR is provided hands-free
Perform CPR when patient is on spine board going up or down stairs	Requires at least 3 rescuers and chest compressions are usually ineffective because of movement and awkward angle	Requires only two rescuers to carry patient. Fully effective CPR is provided hands-free
Read ECG	Stop CPR	With properly placed electrodes, ECG can often be read while CPR is applied. Can be used with ECG monitors utilizing CPR artifact signal averaging
Perform CPR in emergency vehicle	Requires at least one rescuer who is then not strapped in for 30:2 mode and may require 2 rescuers not strapped in for continuous CPR	Provides hands-free CPR in either 30:2 or continuous mode so rescuers can strap in or provide other treatment
Maintain coronary perfusion pressure (CPP) > 15 mm HG	Virtually impossible	Studies show LIFE-STAT™ piston action provides CPP significantly above 15 mm HG

MICHIGAN INSTRUMENTS, INC.

Michigan Instruments, Inc. has been in the business of designing and manufacturing specialized medical equipment for over 40 years. The Company has an impeccable reputation for building products of unexcelled quality. Today, Michigan Instruments continues to earn the respect of its customers and medical professionals around the world.

LIFE-STAT™
THE FIRST HANDS FREE CPR SYSTEM

The LIFE-STAT™ Hands Free CPR System provides cardiopulmonary resuscitation in accordance with the guidelines of the American Heart Association. Clinical and research settings have proved that LIFE-STAT™ is the standard in providing the most effective CPR possible. LIFE-STAT™ is a basic life support device that is easily used by all types of EMS, Fire-Rescue, Mobile ICU's as well as hospital Emergency Departments, Coronary and Intensive Care Units as well as Cardiac Catheterization Labs.

LIFE-STAT™ APPLICATIONS

- **Ambulances**
- **Air Medivac Units**
- **EMT Rescue Units**
- **Fire Rescue Units**
- **Emergency Departments**
- **Coronary and Intensive Care Units**
- **Cardiac Catheterization Labs**
- **Organ Transplant Facilities**

LIFE-STAT™ FEATURES

LIFE-STAT™

Provides AHA 2005 CPR Guideline Compliant *Hands*-Free CPR.

- 30:2 Compressions to Ventilation ratio for face mask application or
- Continuous compressions and 9 asynchronous ventilations for advanced airway application (CCV mode)
- Chest compressions at 100 per minute
- Chest compression depth adjustable (0 to 3.2 inches) to match patient size
- Compressions are 50:50 systolic to diastolic ratio
- Ventilator delivers 0 to 1 L tidal volumes coordinated with compressions
- Able to switch from 30:2 to CCV mode without interruption

Can be used with LIFE-STAT™ Backboard or
Can be mounted directly to a spine board with an MII spine board clip

- Allows 2 person transport while CPR is administered
- Can be used in stairways or elevators

Massager Pad facilitates stable, safe chest compressions

Full chest rebound allowed

Can ramp up initial compression depth to help preserve chest rebound

Works on large range of patient sizes including bariatric patients

Compatible with ITD and ITPR devices

Light weight – 16 lbs.

Powered by Compressed Oxygen (60 psi)

Will provide CPR for 15 minutes nominally on one E cylinder

Electronic control

- Switch from 30:2 to CCV mode
- Pause/Resume CPR
- Uses long-life 9 volt battery supply
- Batteries can be "hot" swapped out while unit is running

Rugged, reliable operation over millions of cycles

Michigan Instruments INC.
In the Business of Saving Lives™

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