

# LUCAS<sup>®</sup> 3 version 3.1

## Chest Compression System

### Defining setup options

Setup options profile name: \_\_\_\_\_

Setup options should be changed only under the direction of a physician knowledgeable in cardiopulmonary resuscitation who is familiar with the literature in this area.



#### Compression rate

Rate at Power ON (compressions per minute)

- 102\*     111     120

Allow operator to change rate during operation (multiple options)

- 102\*     111     120

(± 2 per minute)



#### Compression depth<sup>1</sup>

Fixed during operation (mm)

- 45     46     47  
 48     49     50  
 51     52     53\*

(± 2 mm)



#### Ventilation pause in ACTIVE 30:2 mode

- Shortest\*** (3.0-3.3 seconds)  
 **Short** (3.5-3.8 seconds)  
 **Medium** (4.1-4.4 seconds)  
 **Long** (4.6-5.0 seconds)

(pause duration depends on rate)

Compression/Ventilation Ratio

- 30:2\*     50:2



#### Ventilation pause in ACTIVE Continuous mode

Audible Alerts

- On     Off\*

Alerts per minute

- 6     7     8     9     10\*

Ventilation Pause

- No Pause\*** (continuous compressions)  
 **Medium** (0.8-0.9 seconds; one left out compression)  
 **Long** (1.3-1.5 seconds; two left out compressions) (pause duration depends on rate)



#### Suction Cup Start Position

- QuickFit\*** (automatic adjustment of Start Position within 30 mm)  
 **AutoFit** (automatic lowering from top position to Start Position on chest)  
 **Manual** (no automatic fine-tuning of Start Position)

(In all setup options, the operator should push down suction cup to chest manually, then push PAUSE to set Start Position)



#### Pressure pad release

- Piston returns up in ADJUST mode  
 Manually\*     Automatically

Pressure pad release (10 mm)

- Off\*  
 In PAUSE  
 During ventilation pauses  
 In ACTIVE modes



#### Audible Timer

1 to 15 minutes, in 1 minute increments

- Off\*     CPR Timer     Continuous Timer

Duration (minutes)

- 1     2     3     4     5  
 6     7     8     9     10  
 11     12     13     14     15



#### Device data transmission

- Automatic transmission when charging (when configured for and in range of local Wi-Fi<sup>®</sup> network)  
 On     Off\*

Note: Manual transmission is default; push TRANSMIT key when in known Wi-Fi

#### Assigned as default profile for new devices

- Yes     No

\* Factory default setting

1. For patients with sternum height greater or equal to 185 mm. Smaller patients (from 170 to 185 mm sternum height) will get from 40 mm to [set compression depth].

# Defining setup options

## LUCAS device(s) assigned with this profile

LUCAS device(s) serial number(s)

LUCAS friendly name(s)

E.g. to describe the location of your device

Configured to Wi-Fi network name(s)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

## E-mail address(es) for reports and notifications (optional)

LUCAS Post-Event Summary Report

Asset notifications

_____	_____
_____	_____
_____	_____
_____	_____

## Selected notifications

To access full list of notifications available, log into your LIFENET® Asset account (click on 'Account/Notifications/General Notifications').

LUCAS Post-Event Summary Report

- This report is generated at every device use (uses containing active compressions)

Needs Attention

- Includes 'Battery Expiring' – 20 uses or 3 months to go

Not ready

- Includes 'Battery Expired' – over 200 uses or 4 years
- Includes 'Self Test' – if device failed a self test on startup

Outdated

- Device has not exchanged data with LIFENET in 14 days. Not an indication of malfunction.

## You can customise your LUCAS dashboard in LIFENET Asset (click on 'My Settings/My Dashboard')

### For the setup you will need to have the following:

#### Your local Wi-Fi information

- SSID (Wi-Fi name)
- Encryption type (WEP, WPA...)
- The Key (password)

#### Wi-Fi configuration tool requirements

- Does not support open (unencrypted) networks
- Must use WPA or WPA2 Wi-Fi security protocols
- Must use TKIP or AES Wi-Fi encryption
- Must use Personal (PSK) or Enterprise (EAP-TLS, TTLS or PEAPv0/EAP-MSCHAPv2) authentication
- Supports 2.4 GHz Wi-Fi networks only

#### Workstation/pc requirements

- Bluetooth® 2.0+EDR compatible module using Microsoft stack
- Windows® 7 or 10, 64-bit editions
- .NET Framework version 6.4.2 (installed automatically by Wi-Fi Configuration Tool)
- Outbound port 443 open for TCP/IP communication to our server

## Date and signature

\_\_\_\_\_

Name

\_\_\_\_\_

Date/Year

#### Support Resources

- \* The LUCAS Connectivity Guide GDR 3336589 highlights the main steps for LUCAS device setup on the LIFENET System. Please refer to the Guide for further details.
- Please refer to the LUCAS 3 Chest Compression System Instructions for Use (version 3.1) for complete directions for use indications, contraindications, warnings, cautions, and potential adverse events. The Instructions for Use are included with your device or can be obtained at [www.physio-control.com/LUCAS](http://www.physio-control.com/LUCAS).
- For further technical specifications please refer to the LUCAS 3, v3.1 Data Sheet GDR 3337582.
- For detailed assistance within your LIFENET account please refer to the 'Help' on your account page.
- If you still require help please click on 'Contact Physio-Control' at the bottom of your LIFENET account page.
- For all other inquiries please contact your local Stryker or Physio-Control representative, or click on "Contact Physio-Control" at the bottom of your LIFENET account page.

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