

# DEFIGARD® 400

## Biphasic Defibrillator



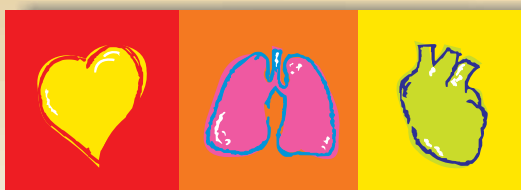
### Features

- Large 8.4" colour TFT screen
- Single rotary knob operation
- Direct function keys
- Visual instructions and guidance on screen
- 3 ECG strips memory
- 24 hours trend for all parameters
- Adult and pediatric application
- Light weight & portable

### Optional

- Integrated thermal printer with auto and manual modes of printing
- External pacemaker with fix, demand and overdrive mode
- SpO<sub>2</sub>
- NIBP
- USB interface for data storage
- AED
- ETCO<sub>2</sub>

CE 0843



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The Art of Diagnostics

## General

Net Wt : 8 Kg Approx  
 Mains and battery operated  
 Power : 230 VAC, 50 Hz  
 Parameters displayed : Up to 2 ECG channels, HR, selected energy, delivered energy, status bar, mains and battery charge, LED indicator  
 Others :  
 - Trim knob and direct function keys for Print, Mute & Freeze  
 - Auto Print on Alarm  
 - Digital out for Central Monitoring Station depending on the configuration

## Display

Size : 8.4"  
 Resolution : 640 × 480 pixels  
 Type : High resolution colour TFT

## Trends

Memory : All parameters are stored for 24 hours  
 Format : Tabular and graphical

## Battery

Rechargeable, sealed lead acid battery (12V, 4.5 AH)  
 Battery charging time : 10-12 hrs. for a completely discharged battery  
 Unit operating time on battery : 2-3 hrs. in monitoring mode  
 Mains & battery (%) charge indicator on display  
 Number of shocks on fully charged battery : > 100 @ 200J

## Alarms

Graded alarms : Visual and acoustic  
 Alarm silence : 120 Seconds  
 Digital alarm volume control  
 System alarms : Monitor, defibrillator, battery charge  
 Physiological alarms : ECG

## Defibrillator

Energy levels :  
 - Paddles : 2, 4, 8, 15, 30, 50, 70, 90, 120, 150, 200  
 Waveform : Impedance compensated biphasic  
 Charging time : Approx 5 seconds for 200J  
 Defibrillation mode : Non-synchronized, synchronized

## ECG

Amplifier : Fully isolated, defibrillation - protected, >5 kv  
 Choice of leads : I, II, III, aVr, aVf, & V paddle ECG  
 Display trace : 4 sec single trace or 8 sec Dual trace ECG display  
 HR display : 0-300 bpm  
 Digital gain selection : 2.5, 5, 10, 20 mm/mv  
 ECG strip selection for storage & printing  
 Sampling frequency : 240 Hz  
 Inputs : CF class patient cable 5 leads  
 User selectable baseline  
 Freeze ECG  
 Text error messages

## Nellcor™ Pulse Oximetry (optional)

Amplifier: Fully isolated, defibrillation - protected > 5 kv  
 Display:  
 - Numerical display in %  
 - Graphic display of signal strength  
 - Plethysmogram  
 - Numerical display of the peripheral pulse rate  
 - Text error messages  
 Pulse range: 0 to 300 bpm  
 Accuracy:  
 - Adult: 70 to 100% ( + 2 digits)  
           50 to 69% ( + 3 digits)  
           0 to 49% (unspecified)  
 - Neonatal: 70 to 100% ( + 3 digits)

## NIBP (optional)

Cuffs: Different cuff sizes available  
 Measuring principle: Oscillometric  
 Measuring range: 20 to 280 mm/Hg  
 Measurement: Automatic & manual mode  
 Display: Numerical, individual measurement values and trends

## ETCO<sub>2</sub> (optional)

IRMA Mainstream  
 Range: 0 - 9.9 kPa / 0 - 99 mmHg  
 Accuracy: ±0.3 kPa / ± 2 mmHg  
 Calibration: No routine calibration is required  
 Warm up time: 5 sec  
 Shock proof design: Withstands repeated 1 meter drop  
 Adult / Pediatric airway adapters : < 7 ml dead space

## External Pacemaker (optional)

Operating mode: Fix, demand and overdrive (frequency \*3)

## Options

Integrated Thermal Printer  
 Chart-Paper : Thermo reactive 80 mm 'Z' fold  
 External pacemaker with fix, demand and overdrive mode  
 SpO<sub>2</sub>  
 NIBP  
 USB interface for data storage  
 AED  
 ETCO<sub>2</sub>

## Environmental conditions

Galvanic protection : CF type  
 Temperatures : +10° to + 40°C  
 Atmospheric pressure : 500 to 1060 hPa  
 Relative humidity : 30 to 95% (no condensation)

## Standard accessories

- 5 Lead ECG cable (one)  
 - Disposable ECG electrodes (one pk.)  
 - Jelly  
 - Power chord (mains cable)  
 - User manual

## Certification



Accessories shown are not part of standard configuration. All registered trademarks acknowledged.

Technical data is subject to change without notice

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