

Laerdal Operating Device

Operational description

Laerdal Operating Device is a remote control for Laerdal VitalSim Control Unit. The LCD is used to view patient-simulator status. With the keyboard you can move around in different menus, and change patient-simulator status. The unit communicates with VitalSim Control Unit either by RF or by cable.

Power Source:

- 4 Alkaline batteries, AA-cells
- Input voltage range:3,6V-7,0V

RF:

- The RF circuit is based on IC; Chipcon CC1000
- RF Frequency: 915,606-916,484MHz (5 channels)
- IF frequency: 150 kHz (typ)
- IF bandwidth: 175kHz (typ)
- XTAL oscillator 14,7456MHz (20ppm)
- Modulation: FSK

Antenna:

- Internal monopole (wire soldered to PCB)
- PCB contains 4 layers including ground plane and power plane.

Interface:

- Serial Port. Connection to Laerdal VitalSim Control Unit. Alternative to RF interface.