

Apgar Timer Risk Report

Pre-design considerations

Power supply

The unit is to be used in the resuscitation cabinet.

100% Oxygen is fed into the Cabinet from wall outlets

This creates a risk if Oxygen leaks whilst the unit is on and is increased if the cabinet door is closed. Battery versions were therefore chosen.

Low voltage less than 6 volt was preferred.

Function

Display:

Options of

Real time clock

Elapsed Time clock

Combination

Alarm Indication only

Display Size

Should be large enough to be read at 1 metre

Should inform battery status

Backlight not required

Real Time clock:

possible risk of time not in sync with other visible clocks in the room
causing confusion

LED Alarm only

Adequate

Alarms

Audio :loudness controlled by ISO standards

Frequency : 1 minute: 5 minutes: 10 minutes

Controls:

Start

Pause (for reading only) timer is not stopped

Reset: needs to be push & Hold or multiple push to prevent
accidental stop