

- 3. Technical Specification of Micro method bilirubin analyser.
- Bench top point of care bilirubin analyser
- Direct reading photometry determining total bilirubin in serum /plasma
- Uses any commercially available capillary tubes.
- On switch off and auto off Automatic calibration setting between measurements.
- Dual wavelength measurement: 460 nm and 550 nm .
- Correcting for Hb at 550nm.
- Main light source, 5W tungsten lamp.
- Measuring range: 0 to 700  $\mu\text{mol/L}$  or 0 to 40 mg/100mL  
Accuracy equivalent to laboratory spectrophotometer (approx.  $\pm 5\%$ ).
- Read out switchable between mg/100 ml and  $\mu\text{mol/L}$ .
- Analysis time: less than 5 sec. should have silicon photo diode. Large LED display readable in low light working situations, display cover durable plastic
- Power requirements: 220 V/ 50Hz (with adapter) ISO 9001 certified manufacturer (certificate to be submitted)
- Should have data storage of latest 100 results, interface USB port, built in calendar , printer and timer.
- Should be CE/FDA approved product.
- Supplied with 3 x reference solution packages
- 10 x pack of sealing compound for micro capillary tubes 0 2 x spare lamps 2 x dust covers 10 x spare set of fuses
- 10 pack of heparinised capillary tubes.
- 30 columns of thermal paper.

## 6. Technical Specifications of Irradiance Meter for Phototherapy

- Handheld irradiance meter (spectro radiometer) for measurements the output of LED phototherapy machines.
- Bandpass filters, max transmissions: 425 to 475 nm.
- Light detector, range : 0 to 2000  $\mu\text{W}/\text{cm}^2$  (fullbandwidth), 0 to 40  $\mu\text{W}/\text{cm}^2/\text{nm}$ .
- Results expressed in  $\mu\text{W}/\text{cm}^2/\text{nm}$  only.
- Minimal graduation: 0.1  $\mu\text{W}/\text{cm}^2/\text{nm}$
- Accuracy: (+ 3%)
- Total block for IR and UV
- Large LED /LCD display
- On switch and auto off
- Automatic zero setting between measurements
- Measuring time, approx. 5 seconds.
- Power requirements : 220 V /50 Hz (with adapter ) or internal re-chargeable batteries (autonomy approx. 6 hrs, automatic recharge).
- Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted) Should be CE/ FDA approved product.
- Supplied with high quality storing case.
- Should be supply with 5 spare set of fuse.

## 7. Technical Specifications of Air Oxygen blender

- High quality corrosion resistant stainless steel
- Able to supply  $\text{FiO}_2$ : 21 to 100%
- Compatible with standard fitting
- Compact unit
- Supplied with two outlets providing different flow rates
- CE and FDA approved product.
- Should be wall mountable
- 1 year warranty