

### Specifications:

<b>Light source</b>	LED	<b>Dimensions</b>	150 (W) × 115 (H) × 190 (D) mm
<b>Wavelength</b>	455nm and 575nm	<b>Net weight</b>	1kg
<b>Measuring range</b>	0-30 mg/dl , 510 umol/L	<b>Interface</b>	RS232
<b>Display</b>	16x2 LCD module with backlight	<b>Reading cuvette</b>	Heparinized micro capillary holder
<b>Auto calibration</b>	Yes	<b>Storage temperature</b>	15-40°C
<b>Sample type</b>	Serum or plasma	<b>Power supply</b>	DC 9V(DC adapter)
<b>Sample volume</b>	40-80µL	<b>Power consumption</b>	<2W
<b>Test time</b>	<5sec		
<b>Units</b>	mg/dl or umol/L		

### Accessories:

- External Adapter - 1pc
- Heparinized capillary - tube 1 box (100pcs)
- Sealing wax - 1pc
- Users manual - 1pc,

## B -111 Bilirubinmeter

Advanced, benchtop and precise instrument for measuring Total Bilirubin.



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The advanced B111 Bilirubinmeter provides fast, accurate results for Total bilirubin level in neonates with only 40µl serum or plasma sample. It determines total bilirubin by dual wavelength photometric analysis. Suited for pediatric setups, small workload labs & hospitals because of its compact and portable design.

**Heparinised micro capillary holder**

Holds sample capillary in proper alignment which gives accurate results.

**LCD Display**

16 x 2 LCD module with backlight



**Operation keys**

Easy to operate

**Clinical Implications**

Bilirubin is a byproduct of the breakdown of hemoglobin by the liver. When hemoglobin is metabolized, insoluble bilirubin is produced. The insoluble (indirect) bilirubin is broken down into a water soluble (conjugated or direct) form. Direct bilirubin is then excreted. Most neonates have a degree of jaundice shortly after birth, because the liver is not fully developed. Newborn infants must be monitored to identify those who might develop severe hyperbilirubinemia.

**Features :**

**Auto zero function:**

- Manual blanking not required

**Dual wavelength measurement system:**

- 2 wavelengths 455nm & 575nm
- Plays major role to remove the interference caused due to Hemolysis & turbidity of sample

**LED Light source:**

- LED does not require replacement because it lasts long
- As compared to Lamp, LED are more suitable as there is no intensity fluctuations
- No warm up time required.

**Flexible unit selection:**

- Two units either mg/dl or umol/L are selectable, ease of reporting

**Compact slot for Capillary:**

- Accuracy of results are directly related to proper alignment of Capillary
- B 111 has easiest mode to ensure precise values.

**Data transfer:**

- External device can be connected to instrument through RS232 port
- USB Port