

BiliCare™

Non-Invasive Transcutaneous Bilirubin Meter

Gestational Age	>24 weeks gestational age
Skin Tones	All Skin Tones
Post-Natal Age	0-20 days
Total Serum Bilirubin Range	0-20mg/dL 0-340 µmol/L
Correlation	r=0.90
Repeatability ¹³ (SD) ¹⁴	±0.7mg/dL ±12 µmol/L
Accuracy (RMSE) ¹²	+/- 1.5 mg/dL at 66% of the time or 1 standard deviation +/- 26 µmol/L at 66% of the time or 1 standard deviation

HAND HELD UNIT

Dimensions	57mm W x 150mm L x 23mm H (Total height: 54mm)
Weight (including battery pack)	160g (5.64oz)
Barcode Reader	Yes

BATTERY PACK

Type	Lithium ion
Voltage	3.7V
Capacity	1050 mAh
Measurements per Full Charge	250 (minimum)
Expected Battery Life	1 year (minimum)
Recharge time (maximum)	4 hours

CHARGING CRADLE

Dimensions	80mm W x 80mm L x 67mm H
Weight	100g

LIGHT SOURCE

Type	Green and Blue LEDs
Life	>200,000 measurements

POWER SUPPLY

Input	100-240VAC, 50/60 Hz, 150mA
Output	5V, 1100mA

CONNECTIVITY

Connectivity to PC ¹⁵	USB connection
Connectivity to HIS ¹⁶	HL7 protocol via PC ¹⁷

ENVIRONMENTAL INFORMATION

Operating temperature	0°C to 40°C (32°F to 104°F)
Relative humidity	30% to 85% non-condensing
Atmospheric pressure	0.78 to 1.05 atm
Storage temperature	-10°C to +65°C (14°F to +149°F)

¹² RMSE – Root Mean Square Error

¹³ Device to device repeatability

¹⁴ SD – Standard Deviation

¹⁵ A PC software program is required (supplied by your distributor)

¹⁶ HIS – Hospital Information System

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