

# Jaundice Meter JM-103



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## STANDARD FEATURES

Jaundice Meter (JM-103)
Charger unit (Model JM-A30) includes checker
AC adapter (Model JM-A32)
Power cable adapter set
Carrying case and wrist strap
Instructions for use
Training video

## Specifications (Standard Features)

Model name	Jaundice Meter JM-103
Intent of use	Screening Device
Dimensions	All skin color, 35> gestational age, pre-phototherapy.
Weight, including Ni-MH battery	4.8 cm (1.9") wide x 15.4 cm (6.0") high x 3.2 cm (1.2") deep
Measuring method	150 g (5.3 oz)
Measurement range	Determines the yellowness of the subcutaneous tissue by using two optical paths to measure the optical density difference at two wavelengths
Clinical Data Standard Error of Estimate (SEE) *	0.0 mg/dL to 20 mg/dL or 0 μmol/L to 340 μmol/L
Measuring site	± 1.5 mg/dL or ± 25.5 μmol/L
Alarms	Sternum and forehead
Light source	Flashing when measurements are greater than 20mg/dL or 340 μmol/L
Light source life	Pulse xenon arc lamp
Light source checker	150000 measurements
Detectors	Built-in to the charger base.
Power source	Silicon photodiodes
Protection type and level	2.4 V, Special Ni-MH battery
Minimum number of measurements when fully charged	Internally-powered instrument, BF type
Operating temperature range	400 single measurements
Operating relative humidity range	10°C (50°F) to 40°C (104°F)
Storage temperature range	30% to 95% non-condensing
Storage relative humidity range	-10°C (14°F) to 50°C (122°F)
AC adapter input for international use	30% to 95% non-condensing
AC adapter output	100V-240V, 50/60 Hz, 0.14-0.07A
	9V, 500 mA, 4.5W

\*The standard deviation shown above is based on the average of the clinical data available. On average, 66% of results fall within this range, and the remainder fall outside this range. This value can be affected by variables such as age, skin color, and performance of the device in the hands of the user.

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Effective 2010-09:  
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