Jaundice Meter

DRAGER JAUNDICE METER JM-103

ABOUT

The **Drager JM-103 Jaundice Meter** is a non-invasive transcutaneous bilirubinometer designed to provide quick, painless bilirubin screening for newborns.

Using advanced optical measurement technology, it delivers immediate readings without the need for blood sampling. Its compact, lightweight design and simple operation make it convenient for routine neonatal jaundice assessments.

FEATURES

Instant Results: Provides quick bilirubin readings for efficient newborn screening.

Dual-Wavelength Optical Technology: Uses two optical paths to measure differences in skin optical density.

Reusable Probe: Eliminates the need for disposable probe covers or tips.

Single or Averaged Measurements: Offers single readings or averages of up to five measurements.

Built-In Quality Check: Includes a light-output checker in the charging unit to verify measurement performance.









Drager JM-103 Jaundice Meter

SPECIFICATIONS

DIMENSIONS

Height: 6.0 in (15.4 cm)

Width: 1.9 in (4.8 cm)

Depth: 1.2 in (3.2 cm)

Weight: 0.33 lb (150 g)

PERFORMANCE

Measurement range: 0.0 mg/dL to 20.0 mg/dL (0 µmol/L to 340 µmol/L)

Clinical Data Standard Error of Estimate (SEE): ± 1.5 mg/dL or ± 25.5 µmol/L (> 35 weeks gestation)

Measuring Method: Dual optical paths measuring optical density differences at two wavelengths

BATTERY & ELECTRICAL SPECIFICATIONS

Battery: 2.4 V rechargeable Ni-MH

Measurements per Full Charge: At least 400 single measurements

AC Adapter Input: 100–240 V, 50/60 Hz, 11–18 VA

AC Adapter Output: 9 V, 500 mA, 4.5 W

Light Source: Pulse xenon arc lamp

Light Source Life: 150,000 measurements

Detectors: Silicon photodiodes