Dräger Jaundice Meter JM-105
Jaundice Management

The Dräger Jaundice Meter JM-105 gives you consistent quality screening, cost-effectively delivered over the lifetime of the device. As a result you optimize the efficiency of your jaundice management program, which can help save time and money while delivering an exceptional standard of care.

D-86399-2013

Dräger. Technology for Life®

Benefits

Effective Jaundice Screening

With the Jaundice Meter JM-105 you can accurately identify at-risk infants* as young as 24 weeks gestational age. Effective screening can decrease readmission rates and durations of stay. Having dependable results in seconds rather than hours helps to increase patient safety and expedite decision making. New integrated flagging feature helps you keep track of patients in need of special attention and comply with your jaundice management protocols.

Easy to use, easy on everyone

The JM-105 expands the concept of ease of use. It also means an easier experience for all involved. When taking a TcB measurement with the JM-105 compared to an invasive TSB measurement, there's less stress on fragile newborns and their parents– which makes things easier on you. Screening with the JM-105 is fast and easy; simply clean the reusable tip with an alcohol wipe and take your measurement. No fumbling with disposable tips. And because the device connects to your hospital information system, transferring jaundice screening information to the infant's electronic medical record is effortless and accurate. Simply put, the Dräger Jaundice Meter JM-105 is gentle for the newborn and efficient for you.

Improved process and cost efficiency

The Jaundice Meter JM-105 streamlines jaundice screening practices by reducing time-consuming blood draws, scheduling of laboratory work, and processing costs. It improves efficiency by delivering reliable measurements with significantly fewer steps, which frees up more time for direct infant care. The data transfer functionality and barcode scanner help you optimise your screening program and reduce the risk of human error. Because the JM-105 has a reusable probe tip, it requires no disposables. With the volume of screenings performed in nurseries today, the cost of such disposable items can ultimately exceed the initial cost of the device itself. As a result, you save time and money while delivering an exceptional standard of care.

* Do not use it on infants with pathological jaundice, hydrops fetalis major, congenital malformations, diseases or skin conditions or thickness that in the opinion of the physician would preclude or interfere with the use of the JM-105 (e.g. skin infections, purpura, etc). Use of the product is only permitted after reading and understanding the instruction for use of the JM-105. The instruction for use contains information regarding the Intended Use und lists further contraindications of the product.

Related Products

D-12195-2016

BiliLux

The BiliLux is a compact and lightweight LED phototherapy light system for the treatment of neonatal unconjugated hyperbilirubinemia. It provides superior phototherapy performance, individualised therapy with electronic documentation capabilities and the flexibility for seamless integration into practically every workplace.

Technical Data

SPECIFICATIONS

DEVICE CLASSIFICATION

Protection class per IEC 60601-1 (Jaundice Meter)	Internally powered ME equipment, Type BF, continuous operation, not AP
Protection class per IEC 60601-1 (AC adapter)	Class I ME equipment, externally powered, Type BF, continuous operation, not AP
Ingress of liquids and particulate matter (IEC60601-1)	IPX0
Classification in accordance with EU Directive 93/42/EEC Appendix IX	IIa
UMDNS code/GMDN code	16-166/35475

ELECTRICAL SPECIFICATIONS

Battery	Internal NiMH
Number of measurements (when fully charged)	250
AC adapter	
Input	9 VDC, 500 mA
Output	100 V ~ to 240 V ~, 50/60 Hz, 11 VA to 18 VA
Light source	Pulse xenon arc lamp
Light source life	150,000 measurements
Sensors	Silicon photodiodes

PHYSICAL SPECIFICATION

Width	56 mm
Depth	45 mm
Height	168 mm
Weight	203 g ± 10 %

PERFORMANCE SPECIFICATIONS

Measurement range	0.0 mg/dL to 20.0 mg/dL (0 µmol/L to 340 µmol/L)
Accuracy	± 1.5 mg/dL or ± 25.5 µmol/L (>35 weeks gestation) ± 1.6 mg/dL or ± 27.4 µmol/L (≥24 weeks gestation)
Accuracy after phototherapy	± 2.3 mg/dL or ± 39.00 µmol/L (≥24 weeks gestation) ± 2.2 mg/dL or ± 38.00 µmol/L (>35 weeks)

DATA TRANSMISSION

USB port	HL-7 or CSV

BARCODE FORMATS SUPPORTED

Code 39
EAN/JAN
Code 128
ANSI/HIBC

Technical Data

AMBIENT CONDITIONS

DURING OPERATION	
Temperature	10 °C to 40 °C (50 °F to 104 °F)
Atmospheric pressure	700 hPa to 1060 hPa
	(-400 m to 3000 m)
Relative humidity	30 % to 95 % (without condensation)

DURING STORAGE AND TRANSPORT	
Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Relative humidity	30 % to 95 % (without condensation)
Atmospheric pressure	700 hPa to 1060 hPa

Notes

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