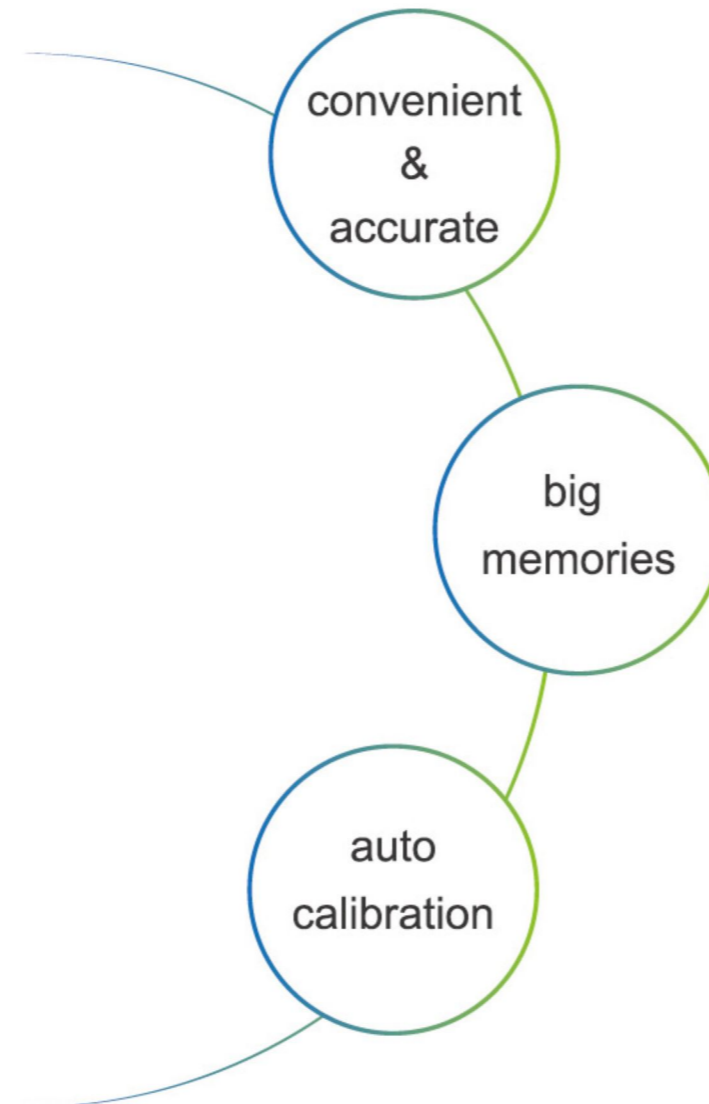


Non-invasive Transcutaneous Jaundice Meter HYB-1



◆ Assessing Jaundice without the trauma

Neonatal jaundice, or hyperbilirubinemia, occurs in almost all babies, it is a cause of concern for care-givers and anxiety for families. If not treated in time, neonatal jaundice can lead to permanent brain damage.

That's why transcutaneous jaundice testing (TcB) has grown rapidly in the past few years as a standard practice in hospitals to identify at-risk infants. But even TcB has presented challenges in terms of human error and time consumption.

Screening for jaundice by visual assessment can lead to an overestimation of risk, which means unnecessary lab tests. This blood draw (total serum bilirubin testing (TsB)) requires a heel prick, which is painful for the baby and costly for the hospital. Visual assessment can also lead to an underestimation of risk, which could result in a failure to obtain necessary lab tests.

SUZHOU HUAYU ELECTRONICS TECHNOLOGY CO.,LTD

Add: Suzhou Economic Development zone, Anhui Province, China | E-mail: sales@flowertalkmed.com | Http://www.flowertalkmed.com | Mobile/ Wechat: +86 19851078516



◆ Standard Features

- ✿ Jaundice Meter (HYB-1)
- ✿ AC adapter (Charger)
- ✿ Power cable adapter set
- ✿ Carrying case
- ✿ Calibration set
- ✿ Instructions for use



Model name	Jaundice Mete HYB-1
Intent of use	Screening Device All skin color, 35> gestational age, pre-phototherapy.
Dimensions	5.0 cm wide x 16.7 cm high x 3.5 cm deep
Weight, including Li-polymer battery	182 g(with battery)
Measuring method	Determines the yellowness of the subcutaneous tissue by using two optical paths to measure the optical density difference at two wavelengths
Measurement range	0.0 mg/dL to 20 mg/dL or 0 μmol/L to 340 μmol/L
Clinical Data Standard Error of Estimate (SEE) *	± 1.5 mg/dL or ± 25.5 μmol/L
Measuring site	Sternum and forehead
Alarms	Flashing when measurements are greater than 20ml/dL or 340 μmol/L
Light source	Pulse xenon arc lamp
Light source life	150000 measurements
Detectors	Silicon photodiodes
Power source	3.7V, Rechargeable Li-polymer battery
Protection type and level	nternally-powered instrument, BF type
Minimum number of measurements when fully charged	At least 500 single measurements
Operating temperature range	10°C (50°F) to 40°C (104°F)
Operating relative humidity range	30% to 95% non-condensing
Storage temperature range	-10°C (14°F) to 50°C (122°F)
Storage relative humidity range	30% to 95% non-condensing
AC adapter input for international use	100V-240V, 50/60 Hz
AC adapter output	5V, 1A

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