

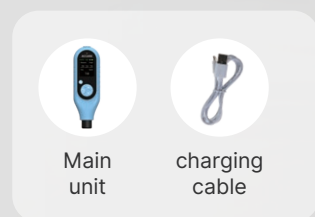
Transcutaneous Jaundice Meter

TJ Series

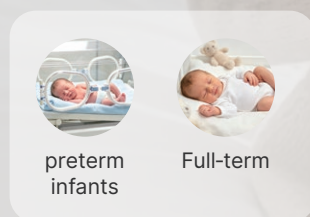
The ACCARE Jaundice Meter offers a precise, efficient, and consumable-free smart screening solution. By significantly reducing the risk of neonatal readmission and streamlining jaundice management, it delivers superior care quality alongside enhanced cost efficiency.

Featuring dual-wavelength optics and an intelligent algorithm, the device seamlessly combines high-precision measurement, optional Bluetooth connectivity, high-capacity data storage, and clinical risk alerts. Fully compliant with medical safety standards, it is the ideal choice for standardized neonatal jaundice management.

Configuration



Applicable users



Applicable scenarios

Designed for non-invasive bilirubin screening, it provides versatile clinical support across general hospitals, maternal and infant health centers, and private pediatric practices.

Product Specifications

Physical Specifications:

Dimensions: 168.8 × 53.6 × 28.3 mm
 Net weight (without battery): approx. 113 g
 Display: 1.77-inch TFT color screen

Performance Parameters:

Measurement range: 0.0-25.0 mg/dL (0-428 μmol/L)
 Accuracy: ±1.0 mg/dL (0-15.9 mg/dL); ±1.5 mg/dL (16.0-25.0 mg/dL)
 Ingress Protection: IP22

Data Management:

Storage: Last 100 records
 Transmission: Bluetooth 5.0 (Class 2)

Power Supply:

Battery: Lithium battery DC3.7V 800mAh
 Runtime: ≥7 hours on a full charge
 (based on single measurement every 10 seconds)

Operating Environment:

Temperature: 10 °C-40 °C (50 °F-104 °F)
 Atmospheric pressure: 86 kPa-106 kPa
 Relative humidity: ≤80% (non-condensing)

Storage & Transport Environment:

Temperature: -20 °C-55 °C (-4 °F-31 °F)
 Atmospheric pressure: 50 kPa-106 kPa
 Relative humidity: ≤93% (non-condensing)



● Smart Clinical Screening • Precision Risk Identification

- **Superior Accuracy & Stability:** Powered by dual-wavelength spectroscopy and a motion-compensation algorithm, the device ensures stable bilirubin measurements for both full-term and preterm infants. By effectively filtering out ambient light interference and infant movement, it delivers results that closely correlate with Total Serum Bilirubin (TSB), providing a solid foundation for clinical and parental decision-making.
- **Dual-Mode Versatility:** Providing both single and continuous measurement modes, the device automatically calculates the average of three readings, further enhancing clinical reliability and diagnostic confidence.



● Non-Invasive Care • Safety First • Patient-Friendly

- **Stress-Free Screening:** The fully non-invasive, transcutaneous solution eliminates the need for blood sampling. This pain-free approach offers a superior experience for newborns while providing a worry-free experience for parents.
- **Advanced Infection Control:** Biocompatible probes protect sensitive skin, while the easy-to-disinfect design (75% alcohol compatible) ensures compliance with high-level hospital infection control protocols.



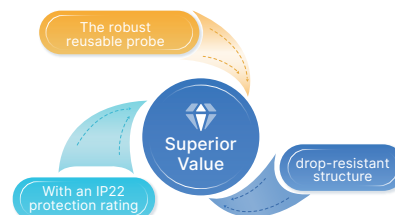
● Efficient Intelligence • Digital Management • Workflow Optimization

- **Intuitive Operation:** Featuring a 1.77-inch HD display and an intuitive menu, the device supports seamless unit switching (mg/dL or $\mu\text{mol/L}$) and customizable audio alerts, with zero training required.
- **Smart Data Integration:** With a built-in memory for 100 records and optional Bluetooth connectivity, it enables seamless integration with Hospital Information Systems (HIS). Automated data archival, trend tracking, and report generation drastically reduce manual entry errors and optimize clinical decisions.
- **Extended Battery Life:** The high-capacity lithium battery provides over 7 hours of continuous use, easily handling high-volume screenings.



● Superior Value & Durability

- **No Disposable Consumables:** The robust, reusable probe withstands repeated disinfection. Long-term operating costs are far lower than conventional devices that rely on consumables.
- **Rugged Reliability:** With an IP22 protection rating and a drop-resistant structure, the robust housing ensures a low failure rate and minimal maintenance, guaranteeing an extended service life.



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