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**7.4 Calibration**
**7.4.1 Settings of Calibration Coefficient** 1) Enter calibration mode: press RESET button, then switch power on, a value is displayed on screen. This value is the current calibration coefficient (using upper case letter “Y” to represent); 2) Set calibration coefficient: If you wish to change the coefficient, press SET button to increase, or press RESET button to decrease the
**MBJ20 Transcutaneous Jaundice Detector Instruction Manual V4.0**
24/34 variation range between -9.9～9.9 of the original coefficient value. Shown as figure 7-6. Figure 7- 2 Proportionality adjust for calibration coefficient - decrease or increase 3) Save calibration coefficient: when the new coefficient is chosen, press probe down for 2 seconds, at the same time, the indicator Ready light and there is a lock symbol appears in the screen which means the new coefficient saved. Shown as figure 7-7 Figure 7- 7 Calibration Baseline
**7.4.2 Calibration Method** 1) When measurement of the device is not accurate, user can calibrate it based on the total bilirubin measured in testers’ blood analysis. 2) The calibration procedure: firstly, record a tester’s total bilirubin (represented with A) from blood analysis, and then use Jaundice Detector to test his jaundice (represented with B). Lastly, calculate the calibration coefficient Y=A - B; 3) Save calibration coefficient according to Section 7.4.1. 4) If user does not save the calibration coefficient, then the total bilirubin can be corrected by referring to the following formula:
**Total Bilirubin A (mg/dL) = Transcutaneous Jaundice B (mg/dL) +**
**Calibration Coefficient Y (mg/dL)**