

REPAIR SERVICE INSTRUCTIONS — CALIBRATION

2270-20 Contact Temperature Meter (Alkaline)

Environmental Condition

Perform all calibration at an ambient temperature of $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ / $73.4^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ and relative recommended humidity of 40-50% and no more than 80% - allow the TEMP-GUN™ thermometer to sit at this temperature for a minimum of 30 minutes before proceeding.



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Precautions and Safety Information

Use the Meter only as described in the Service Manual. If you do not do so, the protection provided by the Meter may be impaired. Read the “Safety Information” page before servicing this product.

Calibration Procedure 2270-20

1. Press and hold key ,  and  then press  to power on the meter.

The meter will show “-----” and wait for calibration password for 3 seconds.

2. Before the waiting period expired, the user must enter the password key sequence

“      ” to enter calibration mode and the LCD will show “CAL1”.

3. Use copper terminal and copper cable to send in thermal couple voltage 1300C (52.4mV) to

the input terminal T1. Wait until the AD reading on the LCD is stable then press  to perform low gain range calibration and go to the next step. The LCD will then show “CAL2”.

4. Use copper terminal and copper cable to send in thermal couple voltage 800C (33.2774mV)

to the input terminal T1. Wait until the AD reading on the LCD is stable then press  to perform high gain range calibration and go to the next step. The LCD will then show “CAL3”.

5. Use Fluke 5520 and ice point with proper compensation wire set send thermal couple signal

0C to terminal T1. Wait until the AD reading on the LCD is stable then press  to perform

CJC calibration. Some iteration of calculation will get the reading gets to zero and beep the

operator to end the calibration. The operator should press  to store the calibration data

and get the meter back to normal operation mode.