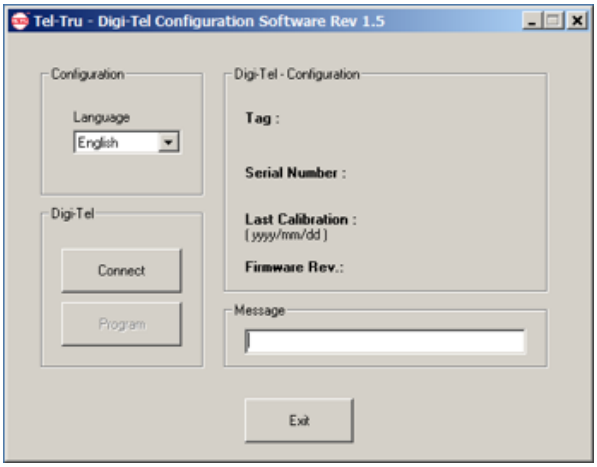
TEL-TRU® TEMPERATURE SOLUTIONS

Digi-Tel Thermometers
Configuration Software Instructions

1. Install USB drivers from CD
2. Install Digi-Tel Configuration Software
3. Connect USB plug on cable to USB port on computer
4. Connect M12 plug on cable to Digi-Tel thermometer
5. Run Digi-Tel Configuration Software

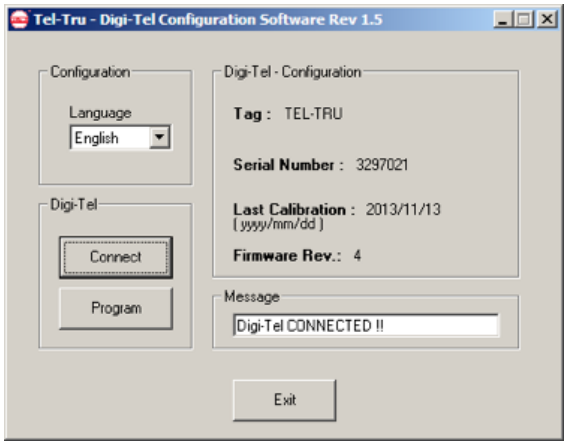
Tel-Tru Digi-Tel Software

◊ Name of the application: "Digi_Tel_Config" (name of the executable file).

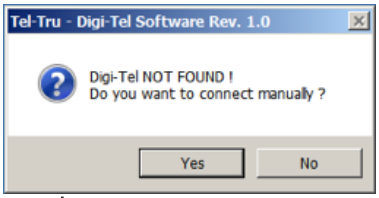


First screen when you launch the application

After clicking "Connect" and if Digi-Tel device found

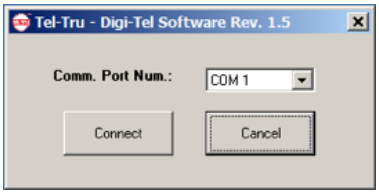


After clicking "Connect" and if Digi-Tel device NOT found

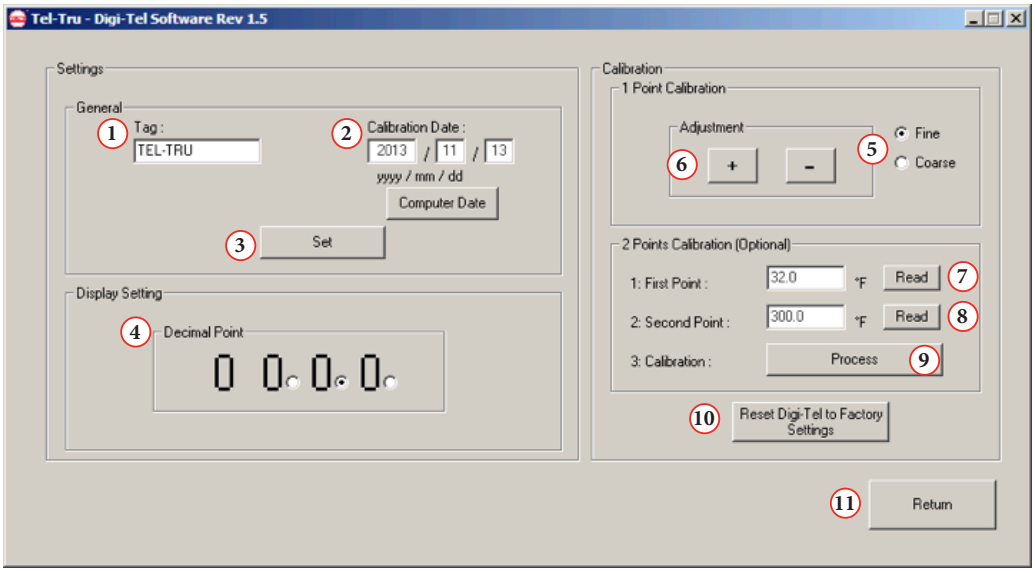


If clicking "No" – goes back to first screen

If clicking "Yes"



Settings and Calibration Screen, after clicking “Program” on the Configuration Screen.

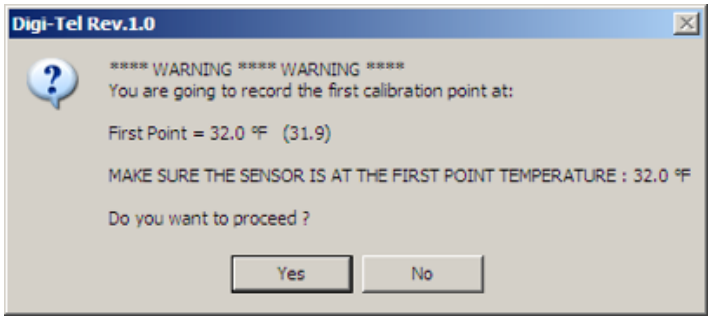


- Settings Section:
  - ◊ General Subsection:
    - (1) Tag: Enter a label for the Digi-Tel thermometer here, if different from engraved serial number
    - (2) Calibration Date: Enter date of calibration or click “Computer Date” to use the current date
    - (3) Click “Set” to save the Tag and Calibration Date to the Digi-Tel thermometer
  - (4) Display Setting Subsection: Click the button corresponding to the desired decimal location in the Decimal Point box
    - NOTE: When selecting two decimal places, an error might result if the temperature exceeds 99.99
- Calibration Section:
  - ◊ Notes on Proper Calibration:
    - The Digi-Tel thermometer probe must be immersed in controlled temperature bath or dry block calibrator during calibration
    - The Digi-Tel thermometer must remain in bath or dry block until its reading is stable
    - Use a calibrated precision reference thermometer to verify bath or dry block temperature during calibration (this is the reference temperature)
  - ◊ 1 Point Calibration Subsection:
    - Allow Digi-Tel thermometer to stabilize in controlled temperature bath or dry block calibrator
    - Check reference temperature with precision reference thermometer
    - (5) Click the “Fine” or “Coarse” button corresponding to the desired adjustment interval:
      - Fine: about ±0.2°F (±0.1°C)
      - Coarse: about ±0.9°F (±0.5°C)
    - (6) Adjustment: Click “+” or “–” to change the Digi-Tel thermometer reading by the interval amount until it matches the reference temperature; 1 Point calibration parameters are automatically saved to the Digi-Tel thermometer

◊ 2 Points Calibration Subsection:

- Allow Digi-Tel thermometer to stabilize in first controlled temperature bath or dry block calibrator
- Check reference temperature with precision reference thermometer

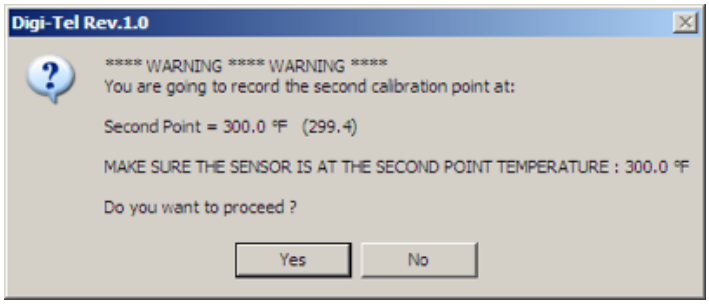
⑦ Enter reference temperature in the First Point box and click "Read"



Message that will appear after clicking on "Read" - First Calibration Point.

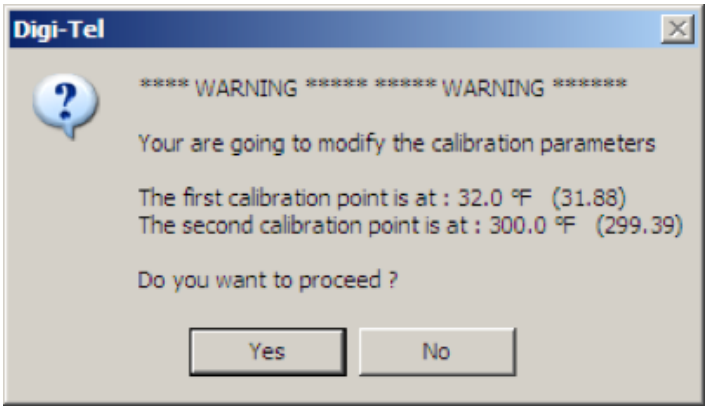
- Allow Digi-Tel thermometer to stabilize in second controlled temperature bath or dry block calibrator
- Check reference temperature with precision reference thermometer

⑧ Enter reference temperature in the Second Point box and click "Read"



Message that will appear after clicking on "Read" - Second Calibration Point.

⑨ Click "Process" to save the 2-point calibration parameters to the Digi-Tel thermometer. (Figure 3)



Message that will appear after clicking on "Process" – 2 Points Calibration.

10 "Reset Digi-Tel thermometer to Factory Settings" Button:

- Click this button to restore the calibration to the factory settings; this will reset all of the following settings:
  - Tag
  - Calibration Date
  - Decimal Point
  - Calibration parameters

11 "Return" Button

◊ Click this button to return to the previous screen

NOTES:

- Refer to Tel-Tru Digi-Tel Thermometers Operating and Calibrating Instructions for information on installation, operation and calibration
- Temperature range = -75/750°F (-60/400°C)

TEL-TRU® TEMPERATURE SOLUTIONS

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