

# Leica TC 805

## Procedure

1. Turn on the instrument
2. Level the instrument
3. On your instrument, hold down the program key for 4 seconds to open the Configure Menu.
4. In the Configure Menu, press 4 for REC DATA  
Press 4 to set the baud to 9600  
Press 5 to set the parity to even  
Press 6 to set the endmark to CR/LF
5. In FieldGenius start or open an existing project. Press the Main Menu button → Settings → Instrument Settings. On the Instrument Settings screen, select **Total Station**.
6. Match the following on the Model and Communication screen.

**Model and Communication** Help

Total Station

Make: Leica Model: TPS Series (GSI)

Connect to Instrument Default Comm Settings

Port: COM1 Data Bits: 7

Baud Rate: 9600 Stop Bits: 2

Parity: Even

OK  Cancel

7. Match the following on the EDM Settings screen.

**EDM Settings** Help

EDM Settings

Mode: IR Standard

Time Out(s): 10

Use Default

Minimum: 0m

Maximum: 10000m

Guide Light: High

Prism Offsets (mm)

Foresight: 0.0

Backsight: 0.0

Set Instrument

Reflectorless Settings

Std Dev:

OK  Cancel

8. Specify the multiset tolerances you want to use on the Tolerance Settings screen.

**Measurement Tolerance** Help

Horizontal Angle Tolerance (sec)

30.0

Vertical Angle Tolerance (sec)

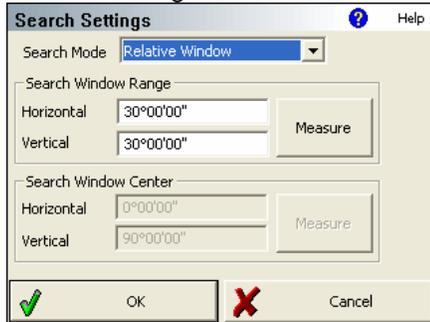
30.0

Distance Tolerance

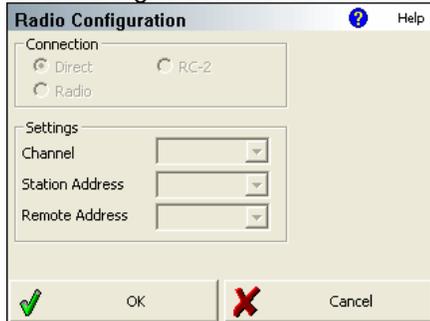
0.03'

OK  Cancel

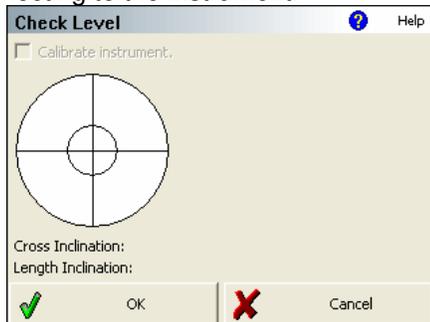
9. Match the following on the Search Settings screen.



10. There is nothing to set on the Radio Configuration screen.



11. There is nothing to set on the Check Level screen. You will see this screen when you try connecting to the instrument.



12. Switch back to the Model and Communication screen. Press the Connect to Instrument button and if you successfully connect you will see a green check mark, and the Check Level screen will appear. Have fun!