

# SOKKIA SERIES 30R

SET230R3, SET330R3, SET530R3, SET230R, SET330R, SET530R, SET630R

## Procedure

1. Turn on the instrument
2. Level the instrument
3. On your instrument press ESC to exit to the main menu
4. Press F4 (CNFG)
5. Press the down arrow to highlight Comms setup and press Enter.
6. Verify that the communication parameters match the following:
  - Baud rate: 9600bps
  - Data bits: 8bit
  - Parity: Not set
  - Stop bit: 1bit
  - Check sum: No
  - Xon/Xoff: No
7. Press ESC to go back to the Config screen
8. Press ESC to go back to the Main menu
9. Press F1 (MEAS) to go to the Measure screen
10. In FieldGenius start or open an existing project. Press the Main Menu button → Settings → Instrument Settings. On the Instrument Settings screen, select **Total Station**.
11. Match the following on the Model and Communication screen.

**Model and Communication** Help

Total Station

Make: Sokkia Model: SET Advanced

Connect to Instrument Default Comm Settings

Port: COM1 Data Bits: 8

Baud Rate: 9600 Stop Bits: 1

Parity: None

OK  Cancel

12. Specify the EDM settings you want to use on the EDM Settings screen.

**EDM Settings** Help

EDM Settings

Mode: IR Fine

Time Out(s): 10

Use Default

Minimum: 0'

Maximum: 32808'

Guide Light: High

Prism Offsets (mm)

Foresight: 0.0

Backsight: 0.0

Set Instrument

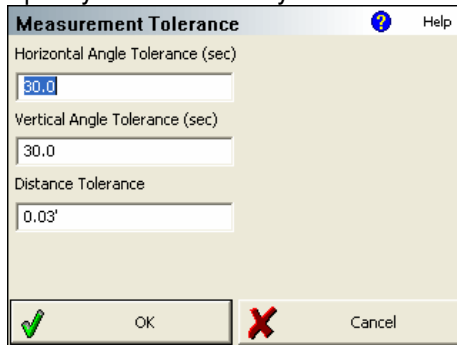
Reflectorless Settings

Std Dev:

OK  Cancel

## Quick Start Guide

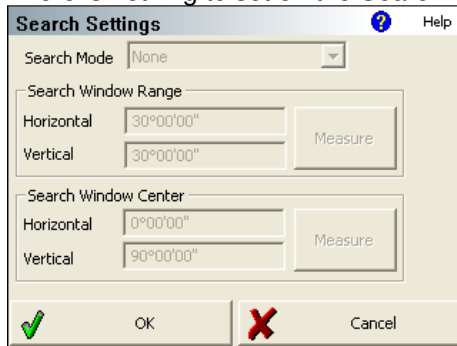
13. Specify the tolerances you want to use on the Tolerance Settings screen.



The **Measurement Tolerance** dialog box contains the following fields and controls:

- Horizontal Angle Tolerance (sec):** Input field with the value 30.0.
- Vertical Angle Tolerance (sec):** Input field with the value 30.0.
- Distance Tolerance:** Input field with the value 0.03'.
- Buttons:** A green checkmark icon, an **OK** button, a red X icon, and a **Cancel** button.

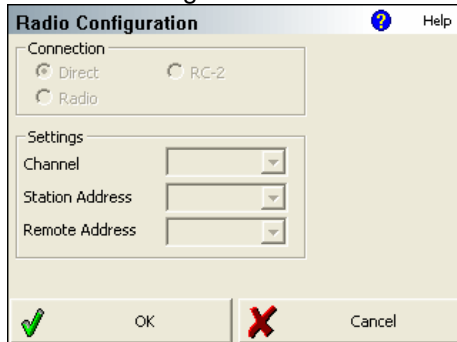
14. There is nothing to set on the Search Settings screen.



The **Search Settings** dialog box contains the following fields and controls:

- Search Mode:** A dropdown menu set to **None**.
- Search Window Range:** A group box containing:
  - Horizontal:** Input field with the value 30°00'00".
  - Vertical:** Input field with the value 30°00'00".
  - Measure:** A button.
- Search Window Center:** A group box containing:
  - Horizontal:** Input field with the value 0°00'00".
  - Vertical:** Input field with the value 90°00'00".
  - Measure:** A button.
- Buttons:** A green checkmark icon, an **OK** button, a red X icon, and a **Cancel** button.

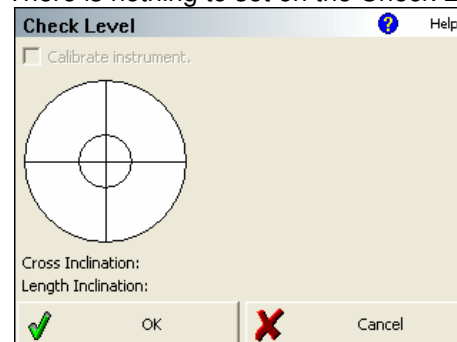
15. There is nothing to set on the Radio Configuration screen.



The **Radio Configuration** dialog box contains the following fields and controls:

- Connection:** A group box with two radio buttons: **Direct** (selected) and **RC-2**.
- Radio:** A radio button that is currently unselected.
- Settings:** A group box containing three dropdown menus:
  - Channel:** An empty dropdown menu.
  - Station Address:** An empty dropdown menu.
  - Remote Address:** An empty dropdown menu.
- Buttons:** A green checkmark icon, an **OK** button, a red X icon, and a **Cancel** button.

16. There is nothing to set on the Check Level screen.



The **Check Level** dialog box contains the following fields and controls:

- Calibrate instrument:** A checkbox that is currently unchecked.
- Diagram:** A circular diagram with a crosshair in the center, representing a leveling target.
- Cross Inclination:** An empty input field.
- Length Inclination:** An empty input field.
- Buttons:** A green checkmark icon, an **OK** button, a red X icon, and a **Cancel** button.

17. 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. Have fun!