



Leica - Quick Start Guide for TPS TC1800 (Direct)

Overview

This procedure will help set up the Leica TPS TC1800 instrument in Direct mode for use with the SurvCE data collector software.

On the Instrument

Communication Settings (19200,8,None,1)



1. Turn on the instrument
2. Level the instrument
3. Select F3 - Soft Key "CONF"
4. Select menu item 3 - "GSI communication param."
5. Highlight "Baud rate"
6. Select F6 - Soft Key "LIST"
7. Highlight "19200"
8. Press the enter key to accept
9. Verify that the "Protocol" is "GSI"
10. Highlight "Parity"
11. Select F6 - Soft Key "LIST"
12. Highlight "NO"



13. Press the enter key to accept
14. Verify the "Terminator" is "CR LF"
15. Highlight "Data bits"
16. Select F6 - Soft Key "LIST"
17. Highlight "8"
18. Press the enter key to accept
19. Verify "Stop bit" is 1
20. Select the "CONT" button to set parameters
21. Select F6 - Soft Key "MEAS"

In SurvCE

1. In SurvCE, select the "Leica TPS Series" driver from "Equip => Instrument"
2. Verify the SurvCE communication settings by selecting "Equip=> Comm Setup"

(This only needs to be set the first time you use this equipment)

Communications Port Setup

Port Number: COM1

Baud Rate: 19200 Parity: None

Char Length: 8 Stop Bits: 1

Defaults

3. Set "Equip. Settings" as shown below:
4. Select the "OK" button



Leica TC Series Setup OK Cancel

Read Method:

Foresight Prism Offset (mm):

Backsight Prism Offset (mm):

Motorized Turn to Point in Stakeout

Laser Pointer Turn to Vertical in Stakeout

ATR (Auto Target Recognition)

Power Search Enabled

For questions or comments on this tech note, contact HQ CAE Survey or your regional CAE Support Coordinator