

# 1 Introduction

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**Welcome!** Thank you for choosing Carlson SurvCE and Leica Geosystems for your data collection system. We're confident that you will soon find that you have made a wise investment in a modern and productive data collection system.

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**Purpose** This workbook provides a step by step guide to operating Carlson SurvCE in conjunction with Leica GPS and Total Stations. In working through the examples, you will visit many common functions within Carlson SurvCE and receive step by step instructions in how to perform common surveying tasks.



This workbook does not cover all possible functions provided by Carlson SurvCE, nor does it provide rigorous explanations of the various options and parameters in the software. Our intent is to help you get started quickly, and to provide quick instructions on the most commonly used functions.

If you wish to explore Carlson SurvCE more deeply, you should take advantage of the Carlson SurvCE Reference Manual, which is included on the software CD.

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**Support for Total Stations and GPS** Carlson SurvCE provides complete support for both GPS and Total Stations. Many of the operations are common to both types of equipment. In this manual, we will provide separate instructions for GPS and TPS only when appropriate. For all other subjects, the software functions are identical regardless of the instrument. In those cases, we provide only a single set of instructions.

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**How to use this manual** We suggest that you have your Leica surveying equipment and Carlson SurvCE data collector set up and operating. This lets you perform the operations and keystrokes using your equipment, and to experience (and experiment with) the various Carlson SurvCE functions.

You may also use the manual in conjunction with the Carlson SurvCE simulator. The simulator is included on the Carlson SurvCE CD, or available by download from the Carlson Software website ([www.carlsonsw.com](http://www.carlsonsw.com)). The simulator does not allow you to communicate with the instruments, but does allow you to practice with all other aspects of the software.

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# 1 Introduction, Continued

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Not a reference  
manual

Please remember that this manual provides brief instructions on how to perform specific tasks using Carlson SurvCE. It is not intended to provide detailed explanations of all program functions and parameters. For additional information, please refer to the Carlson SurvCE Reference Manual. The Reference Manual is included on the Carlson SurvCE CD.

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More  
information

You can learn more about Carlson SurvCE by visiting the Carlson Software website, and by contacting Leica Geosystems Technical Support. Subscribers to the Leica Advantage Support Service will find additional information on the Leica Advantage website.

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