

# STONEX SurvCE

**STONEX SurvCE** est une version personnalisée du célèbre Carlson SurvCE, dédiée aux récepteurs GNSS et aux Stations Totales STONEX. La version actuelle est principalement axée sur les fonctionnalités avancées du GNSS STONEX S10, telles que les corrections dues aux mesures inclinées et la fonction E-Bubble.

## DESCRIPTION

Aucun travail de relevé n'a jamais été aussi sûr et précis qu'avec l'introduction du STONEX S10 utilisé avec SurvCE : chaque point est enregistré uniquement si le récepteur est exactement en position verticale, aucun erreur de positionnement ne peut être accidentellement enregistrée !

Demandez à votre revendeur STONEX autorisé local pour STONEX SurvCE et pour l'ensemble des licences Carlson CE pour Station Totale, Robotique et mécanique, piquetage de routes et GPS non Stonex.

SurvCE est disponible en plus de deux douzaines de langues, notamment : anglais, espagnol, français, français canadien, portugais, tchèque, néerlandais, chinois simplifié, coréen, grec, italien, polonais, hongrois, suédois, letton et plus encore.

## STONEX/CARLSON SURV CE MAIN FEATURES AND FUNCTIONALITY

- New for STONEX S10 GNSS: the tolerance of the e-Bubble is user defined, therefore the sensor sensitivity can be adjusted depending on the desired accuracy range, or manually after the User confirmation.
- New for STONEX S10 GNSS: a friendly colours and icons based user interface gives an immediate explanation of the receiver status:
  - WARNING: magnetic interferences 
  - WARNING: tilt is out of tolerance 
  - Green light: the point can be safely stored! 
- Total control of the STONEX S10 advanced features: each point can be stored automatically as the E-Bubble is within the User defined accuracy range, or manually after the User confirmation
- Tab-Based MENU Structure. All commands are visible in each menu, preventing the need for Up-Down Arrow Keying to view options;
- Collect points in the graphics mode. Points plot as they are shot in the field or entered. There is no need to switch between screens to view your points;
- Supports LandXML points, DTM, graphics, alignments, profiles and sections, GIS functionality and attributes from GIS ESRI geo-database client;
- SurvCE can compute volumes between two surfaces, one surface and an elevation or simple stockpile volumes. Surfaces can be defined by graphical entities and points or by Carlson TIN files;
- SurvCE supports several GPS network protocols, such as NTRIP, TCP and UDP.
- The software supports an unlimited number of localization points. All project scale settings and coordinate system options have been centrally located in the localization dialog
- Job Settings: SurvCE has the ability to import/export files in DXF, ASCII, Coding format.
- Switching Instrument: SurvCE tracks autonomously each operated instrument. Just configure once the instrument and its' done.
- Useful construction sites jobs features like the ability to calculate lines' intersections with or without offset, angular bisections, cogo functions, line/arc reference functions.
- Supports full output reporting in GNSS analysis
- GPS base records from the raw file may be processed into the CRD File
- Description edit boxes now allow easy access to feature code list
- Field-to-Finish supports creating circles
- Point project automatically creates a customizable output file containing station, offset, and elevation and other user-defined fields
- Supports freehand sketching in the map screen
- Brazil SIRGAS 2000 UTM Zone 18S is now supported
- Supports scalable pixels in background images
- Calculate Area/ Sliding uses a new faster and more robust method
- Ability to use point "blocks" from drawings as point symbols or as objects to snap to for stakeout or for creating alignments, with GIS attributes associated with blocks recognized;
- Messaging and file transfer office to field or peer-to-peer in field;
- New techniques for best fit smooth curves and tangent curves using Field-to-Finish;
- Use of RTCM 3.1 messages from virtual reference stations to auto-compute grid and geoid shifts.
- SurvCE allows users to "Configure" how each reading is measured with regard to direct and reverse options (Formerly know as SS/Trav). If direct and reverse readings are taken at the backsight, then any direct and reverse foresight will be considered an angle set and will be reduced accordingly. This eliminates the need to use a separate routine for angle sets.
- SurvCE has the option to use a template DXF file for new jobs so that all layers and colors are automatically created per your company standard
- SurvCE can collect parallel lines using the offset horizontal and offset vertical line drawing commands and close a rectangle by three points using the rectangle command. In the settings section of Special Codes, the user can even auto compute and store the additional points at the line vertices that were created by the software.
- SurvCE allows the user to code in numerous coding styles that may be defined by their office package.
- SurvCE keeps track of every instrument completely separate. This includes all base stations, rovers and total stations, so that mixing equipment is easy. Simply configure your gear once and forget it. The instrument icon has been enhanced to allow you to switch between your current equipment.