



Overview

SCS900 Site Controller Software is a purpose built software for Heavy Highway Contractors that utilizes GPS or Total Station positioning sensors for site control, site measurement, grade checking and stakeout operations. Initially designed for use by non surveyors working on construction projects (Supervisors, Foremen, Grade Checkers), it has more recently evolved into a tool that is now also being deployed by site engineers and surveyors. SCS900 is scalable to meet basic, intermediate and advanced user needs through its Basic, Basic + and Full Featured modes of operation that tailor the user interface to provide the feature set, simplicity and automation required by different levels of user. In addition advanced features such as road stakeout are available as a module which provide additional functionality when road model data is provided as a design.

Modules Available

Core
 Roding
 Advanced Measurement

Import /Export Format Options

LandXML	using Office Software
MX GENIO	using Office Software
DXF/DWG	Yes
DGN	using Office Software
12DAscii	using Office Software
REB/GAEB	using Office Software
PRO (Terramodel®)	Yes - Roding only
Wirth YXZ	using Office Software
ASCII	Yes
TTM	Yes

GCS900 Support

Yes

Views Available

Plan View	Yes
Cross Section View	Yes
3D View	No
Profile View	Yes - for road created in SCS900
Alignment Editor	Yes - for road created in SCS900

Geodetic Capabilities

Projections, Datums, Geoids, Shift/Projection Grids	Yes
Transformations and Adjustments	Yes
Site Calibration	Yes
South Azimuth	Yes
Multiple Total Station Setup Methods	Yes
Traverse Capabilities	Yes

Connectivity

Trimble SPS Precision GPS	SPS78x, SPS88x, SPS75x, SPS85x, SPS985
Trimble SPS Location GPS	SPS651, SPS55x
Trimble SPS Total Stations	ATS, 5600, SPSx10, SPSx20, SPSx30
Trimble Survey GPS	R8, R8 GNSS, R7, R7 GNSS, 5800, 5700
Trimble Survey Total Stations	5600, S6, VX

Site Management

Use of Sites, Work Orders and Designs to Simplify Data management	Yes
Seamless Link with Office Software	Yes
Intelligent Email Functionality	Yes
Trimble Connected Community - TCC Sync	Yes

Measurement Functions

Measure Surface	Yes
Measure True Breaklines	Yes
Measure Boundaries	Yes
Measure Non-Surface Site Features	Yes
Advanced Feature Coding	Yes with Advanced Measurement Module
Attributes and Photographs	No
Cross Section Pickup	Yes with Advanced Measurement Module
Offset Points and Lines	Yes with Advanced Measurement Module
On-screen Contouring	Yes
Stockpile Volume Computations	Yes
Progress Volume Computations	Yes
Automated Point measurements - Monitoring	Yes
Stockpile Scan	Yes
Profile Scan	Yes
Grade Check Existing Surface Design	Yes
Grade Check Road Design	Yes - with optional roading module
Thickness Check	Yes
Cut Fill Coverage Map	Yes
Editing of Codes, Attributes and Target Heights	Yes

Stakeout Functions

Stakeout Points	Yes
Stakeout Lines and Arcs	Yes
Stakeout Plane	Yes
Stakeout Surface	Yes
Stakeout Side Slope & Catch Point (non Road)	Yes
Stakeout Roadway Feature	Yes - with optional roading module
Multiple Roadway Feature Stakeout Methods	Yes - with optional roading module
Stakeout Roadway Station and Offset	Yes - with optional roading module
Stakeout Roadway Catch Point	Yes - with optional roading module
Random or Fixed Stationing	Yes
Random or Fixed Offsets	Yes
Stakewriter Report	Yes
Advanced Graphical COGO Functionality	Yes

Specifications subject to change without notice.

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