

SPECTRA PRECISION®

SURVEY PRO™ SOFTWARE FUNCTIONS

- Survey Standard
- ▲ Survey Pro
- ◆ Survey Pro Robotics
- Survey Pro GNSS
- ★ Survey Pro Max

TITLE BAR/TASK BAR

Toggle collection mode (total station/GNSS)	● ▲ ◆ ■ ★
Battery status indicator	● ▲ ◆ ■ ★
Map access button	● ▲ ◆ ■ ★
Editable quick picks	● ▲ ◆ ■ ★

FILE

Import/export	● ▲ ◆ ■ ★
.JOB, .CR5, .TXT, .GPS, LandXML files	● ▲ ◆ ■ ★
Transfer - multiple modes	● ▲ ◆ ■ ★

JOB

Edit points/polylines	● ▲ ◆ ■ ★
Edit alignments	▲ ◆ ■ ★
Auto linework (real time)	▲ ◆ ■ ★
View raw data	● ▲ ◆ ■ ★
View DTM	▲ ◆ ■ ★
Manage layers	● ▲ ◆ ■ ★
Calculator	● ▲ ◆ ■ ★
AU Conversions	● ▲ ◆ ■ ★

SURVEY (CONVENTIONAL MODE)

Backsight setup	● ▲ ◆ ■ ★
Traverse/sideshot	● ▲ ◆ ■ ★
Repetition shots	● ▲ ◆ ■ ★
Multiple sideshots	● ▲ ◆ ■ ★
Distance/angle offset	● ▲ ◆ ■ ★
Corner & 2 lines	● ▲ ◆ ■ ★
Corner & angle	● ▲ ◆ ■ ★
Corner & offset	● ▲ ◆ ■ ★
Corner & plane	● ▲ ◆ ■ ★
Shoot from 2 ends	● ▲ ◆ ■ ★
Resection	● ▲ ◆ ■ ★
Remote elevation	● ▲ ◆ ■ ★
Check point	● ▲ ◆ ■ ★
Bluetooth support (Recon)	● ▲ ◆ ■ ★
Solar observation	▲ ◆ ■ ★
Remote control	◆ ■ ★
Fine turning	◆ ■ ★
Tap to turn	◆ ■ ★
Surface Scan*	▲ ◆ ■ ★

STAKEOUT

Cut/fill to design grade	● ▲ ◆ ■ ★
Generate cut sheet data	● ▲ ◆ ■ ★
Turn gun to stake with 2-D and 3-D modes	◆ ■ ★
Remote stake from rod	◆ ■ ★
Stake points/list of points	● ▲ ◆ ■ ★
Stake to line/polyline	● ▲ ◆ ■ ★
Offset staking	▲ ◆ ■ ★
Slope staking from line or point	▲ ◆ ■ ★

STAKEOUT, cont.

Stake to line and offset	● ▲ ◆ ■ ★
Stake to curve and offset	● ▲ ◆ ■ ★
Stake to spiral and offset	▲ ◆ ■ ★
Stake DTM	▲ ◆ ■ ★
Define a location	● ▲ ◆ ■ ★
Where is next point	● ▲ ◆ ■ ★
Slope stake from a point	▲ ◆ ■ ★
Station staking	▲ ◆ ■ ★

INVERSE

Multiple types	● ▲ ◆ ■ ★
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COGO

Point in direction	● ▲ ◆ ■ ★
Intersection	● ▲ ◆ ■ ★
Offset line/points	● ▲ ◆ ■ ★
Corner angle	● ▲ ◆ ■ ★
Compute area	● ▲ ◆ ■ ★
Triangle solutions	● ▲ ◆ ■ ★
Map check	● ▲ ◆ ■ ★
Predetermined area	● ▲ ◆ ■ ★
HD/VD to/from SD/ZA	● ▲ ◆ ■ ★
Station & offset	▲ ◆ ■ ★

CURVE

Curve solution	● ▲ ◆ ■ ★
PI and tangents	▲ ◆ ■ ★
3-point curve	▲ ◆ ■ ★
Radius point	● ▲ ◆ ■ ★
Tangent to circles	▲ ◆ ■ ★
Curve layout	● ▲ ◆ ■ ★
Traverse on a curve	● ▲ ◆ ■ ★
Parabolic curve/layout	● ▲ ◆ ■ ★
Straight grade	● ▲ ◆ ■ ★
Spiral/spiral layout	▲ ◆ ■ ★
Traverse on a spiral	▲ ◆ ■ ★

ROADS

Create/edit templates (cross-sections)	▲ ◆ ■ ★
Create/edit alignments	▲ ◆ ■ ★
Save alignment to file	▲ ◆ ■ ★
Add super elevations to road	▲ ◆ ■ ★
Add widenings to road	▲ ◆ ■ ★
Road stakeout	▲ ◆ ■ ★

ADJUST

Scale/translate/rotate	● ▲ ◆ ■ ★
Traverse adjust	● ▲ ◆ ■ ★

SETTINGS (CONVENTIONAL MODE)

Instrument setup & communications	● ▲ ◆ ■ ★
Instrument Manager	● ▲ ◆ ■ ★
Smart Targets	● ▲ ◆ ■ ★
Units	● ▲ ◆ ■ ★
Feet/survey feet/meters	● ▲ ◆ ■ ★

SETTINGS (CONVENTIONAL MODE), cont.

Degrees/grads	● ▲ ◆ ■ ★
Azimuth/bearing	● ▲ ◆ ■ ★
North/south azimuth	● ▲ ◆ ■ ★
Various unit format files	● ▲ ◆ ■ ★
Control/description files	● ▲ ◆ ■ ★
Feature code files	● ▲ ◆ ■ ★
Surveying	● ▲ ◆ ■ ★
Prompt for description	● ▲ ◆ ■ ★
Prompt for height of rod	● ▲ ◆ ■ ★
Prompt for layer	● ▲ ◆ ■ ★
Prompt for attributes	● ▲ ◆ ■ ★
Scale factor	● ▲ ◆ ■ ★
Stakeout	● ▲ ◆ ■ ★
Prompt for layer	● ▲ ◆ ■ ★
Prompt for attributes	● ▲ ◆ ■ ★
Repetition shot tolerances	● ▲ ◆ ■ ★
Auto time-stamp interval	● ▲ ◆ ■ ★
Alphanumeric point names	● ▲ ◆ ■ ★
Basemaps	▲ ◆ ■ ★

SURVEY (GNSS MODE)

Bluetooth support (Ranger, Nomad, and Recon)	■ ★
Cell phone/radio modem coms	■ ★
GPS/GNSS status	■ ★
Base/rover setup (Start Survey Wizard)	■ ★
Control points	■ ★
Collect point, features, offset	■ ★
Projection setup/stats	■ ★
Remote elevation	■ ★

SETTINGS (GNSS MODE)

Store GPS/GNSS raw data	■ ★
Post process	■ ★
Recording interval	■ ★
Data collect with map projection & geoid files	■ ★
Data collect with local transformation	■ ★
Real-time coordinate generation	■ ★
Adjust coordinates to latest localization	■ ★
All stakeout functions with GPS receiver	■ ★

OPTIONAL LEVELING MODULE

Digital levels	● ▲ ◆ ■ ★
Optical levels	● ▲ ◆ ■ ★
Turn to benchmark	● ▲ ◆ ■ ★
Turn to turning point	● ▲ ◆ ■ ★
Sideshot	● ▲ ◆ ■ ★
Stakeout	● ▲ ◆ ■ ★
Peg test	● ▲ ◆ ■ ★
Closure reports	● ▲ ◆ ■ ★
Level through existing points	● ▲ ◆ ■ ★

Please note: This chart is an abbreviated general guide to software functions. All specifications are subject to change without notice.

*Requires motorized instrument

SURVEY STANDARD™ is a complete data collection package for surveyors. It contains a complete COGO suite as well as traverse, sideshot and staking routines.

SURVEY PRO shares all Survey Standard functions and adds advanced road layout routines, advanced staking routines, attribute collection, DTM routines and much more.

SURVEY PRO GNSS shares nearly all the Survey Pro functions, and it provides the capability to collect data from RTK GPS/GNSS receivers at centimeter-level accuracy. The GNSS software is easy to use, reduces training and simplifies setups. It provides meaningful error messages if anything goes wrong. All staking screens work with the GPS/GNSS receiver.

SURVEY PRO ROBOTICS shares all Survey Pro functions, works with all major brands of robotic total stations, and adds graphical staking screens.

SURVEY PRO MAX™ is the ultimate field software. It integrates Survey Pro Robotics and Survey Pro GNSS functions, enabling you to use the same job files with both GPS/GNSS receivers and total stations.

