



POCKET 3D

**CONTROLLER
SOFTWARE**

Topcon Controller Software; Pocket 3D



Topcon's Pocket 3D field controller software brings the latest advancements of modern data collection to the field. Bright, clear graphics and a straight forward, intuitive user interface will allow the surveyor and contractor to accomplish field tasks faster and easier than ever before.

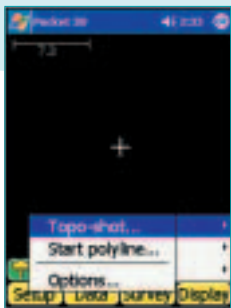
Topcon Pocket 3D

Topcon's Pocket 3D is the field software package that is especially designed for contractors and assists engineers, operators or grade checkers when staking out, checking grade or prepare new projects. Pocket 3D utilizes common files with equipment on the job-site. So multiple users can work at the same time.

Pocket 3D sets up the GPS base station and PZL-1 LazerZone transmitter, becomes instantly a data-recorder on digital grade-checker when combined with a GPS rover-set.

Menus and screens

All Pocket 3D menus and screens have been designed so, that jobsite survey becomes easy and intuitive. All menus and screens are easy to read, with clear colours, icons and large numerals. The menu structure is built in such a way that all desired information can be reached from the main screen.

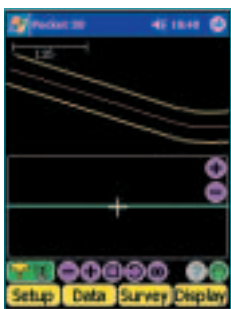


Graphical Data Collection

Topcon Pocket 3D uses simple and easy to understand displays in data collection and stakeout. The survey progress is displayed and can be zoomed in or out, depending on the operators' demand.

Audio and Visual Stakeout

Audio and visual information helps the contractor in checking the created surface or staking out. When checking, a voice-over tells the operator, on the spot cut and fill values. A graphical arrow and bulls-eye lead the operator to any desired stakeout point, whether it's a surface-spot, control point, or a point from a list.



DTM and alignment

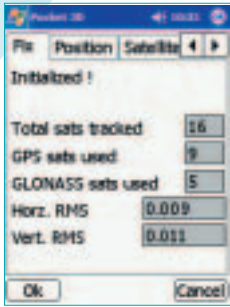
Digital Terrain Models and Road-alignments are used in Pocket 3D's Stakeout and Grade Check.

Creating DTM's and Road-alignments can be done in the field and directly exported to any Topcon 3D Machine Control system.

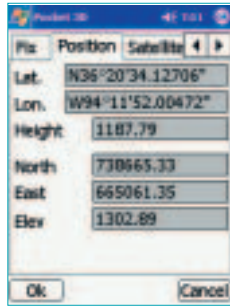
Surface Comparison

Pocket 3D's Surface Comparison calculates volume differences between two overlapping surfaces. A colour interval comparison overview shows in an efficient way cuts and fills. Volume reports contain surface names, common areas, cut, fill and difference volumes and can be saved on the data collector and used for end-reports.

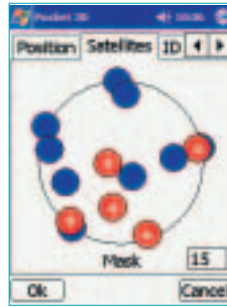




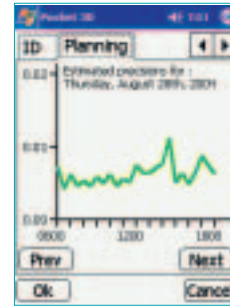
GPS+ accuracy



WGS84 and Local position



Satellite Sky plot



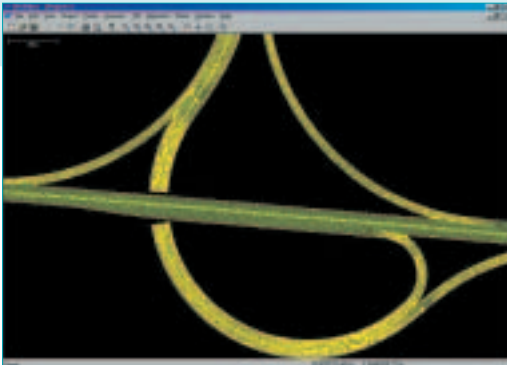
Estimated precisions per day

GPS status

When pressing Pocket 3D's GPS info button all GPS information is displayed on a tabular structure. All information is continuously available. GPS-status, current horizontal and vertical accuracy, WGS84 and local position, actual satellite geometry and sky plots. Besides the real time information, estimated GPS accuracies provide the operator with useful information on an hourly scale from day to day.

3D Office

3D Office is the office software that manages all files needed for the System 5 3D Control Box. 3D Office runs on Windows PC, and allows the engineer to control multiple project-, point- and design-files.



- Up- or download files to and from Pocket 3D
- Create Digital Terrain Model
- Direct ASCII, DWG and DXF import
- Create road construction applications
- Direct LandXML-format import
- View surface simulations
- Surface comparisons
- Volume calculations

Same software for multiple machines and survey

All construction machinery using Topcon 3D Machine Control Systems is interfaced with the same software; 3D-MCT™. Excavators, dozers, motor graders and even survey crew, all work with the same user-friendly software, whether it is in the operators' cabin or on surveyors' field-computer. Creating a seamless job flow!

Each project needs to be defined once, the digital design needs to be prepared once and all machines and survey crews work with the same set up, just a matter of copying. Easy to manage, everybody speaks the same 'language'.



Topcon Field Computers; FC-100 and FC-2000

Compact, ultra bright, sealed and sturdy field computers. The demands of modern field data collection and control have changed dramatically over the past few years and the technology shows no signs of slowing down. The new Topcon field computers are designed to meet these high-technology demands, as well as the performance in tough outdoor circumstances.

The Topcon field computers have the Windows CE operating system build in, on a bright, colour touchscreen display that makes the field data clear to view and easy to access. The removable Li-Ion battery pack provides up to 20 hours of operation and with the optional Bluetooth wireless connectivity, Topcon field computers connect to modern wireless capable systems.

Windows CE

Windows CE operating systems include all Microsoft features as Microsoft Wordpad, Microsoft Explorer, Microsoft Media Player and Internet Explorer.

Windows CE makes digital manuals directly accessible and job reports filled in on the spot. Taking the office in the field!



Internet

With the Topcon field computers direct access to Internet via Internet Explorer can be achieved by connecting to your cell phone. All desirable sites are just a click away!

E-mail jobs from the field; no more data-transfer at the end of the day! Get the latest mutations, on-line information or direct access to the office-server on the spot! How flexible can you be!



FC-100

- Full-colour portrait 320x240 QVGA touchscreen display
- High-speed 400MHz processor
- 128-MB internal memory
- 10 key keyboard with smart keyboard technology
- Windows CE.NET 4.2 operating system
- Rugged, waterproof, jobsite tough

FC-2000

- Full-color landscape 320x240 QVGA touchscreen display
- 56 key keyboard with separate alpha and numeric buttons
- 400 MHz processor
- 128-MB internal memory
- Windows CE.NET 4.2 operating system
- Rugged, waterproof, jobsite tough



Perfect combination

The advanced features of Topcon's TopSURV field collector software are seen at their best when used with Topcon data controllers. Bright graphics and a straight forward, intuitive user interface allow the surveyor to accomplish field tasks faster and easier than ever before. Making it surveyors' and contractors' perfect combination!



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