

Surveying with the Topcon 600 Series(also for use with 500 & 700 series)

OFFSETS

To record an offset either:

Sight prism and press **F5 <MEAS>**, go to **P2**, select **F2 <OFFS>**
Input offset and press **<Enter>**

Display will revert to previous screen when **<Enter>** should be reselected to confirm offset adjustment.

N.B. offsets are positive away from, to the right of, and vertically upwards as viewed from the instrument.

or

Sight prism and press **F5 <MEAS>**

Swing instrument to sight required point

Press **<Enter>** to record measurement and **<OK>** to accept.

EDITING RAW DATA

Scroll across using arrow keys to EDIT once job is created or opened and Select RAW then enter

Use **↓<F4>** and **↑<F5>** arrows to scroll to data requiring editing

Enter new data (automatically overwritten) and **<Enter>**

<Esc> to return to menu

INPUT POINTS

Scroll across using arrow keys to EDIT once job is created or opened and Select POINTS then enter

Enter Point Number, NEZ and Point Code and **<Enter>**

At 'TYPE OF POINT?' prompt, select **F5 <NEZ>**

Select **F6 'P2'** and press **F5 'COPY'** key to copy point to FIXED POINT LIBRARY.

<Esc> to return to menu

EDIT POINTS

Scroll across using arrow keys to EDIT once job is created or opened and Select POINTS then enter

Use **↓<F4>** and **↑<F5>** arrows to scroll to data requiring editing and overtype.

Select **<Enter>** at the end of each screen to accept.

FIXED POINT LIBRARY

Allows storage of commonly used points e.g. control stations, and can be accessed by any jobs when the **<STN FILE>** option is **<ON>** (First menu SYSTEM OPTION). Points can be stored directly using the same method as INPUT/EDIT OF POINTS.

INPUT POINT CODES

Scroll across using arrow keys to EDIT once job is created or opened and Select CODE

Select **F1 'ADD'** and input Layer Name e.g. ROAD and **<Enter>**

ADD layers as required.

Select a layer using **↓<F4>** and **↑<F5>** and **<Enter>**

Input Code e.g. KB, GULLY followed **<space>** and DXF entity as follows:

'1' indicates 'point' '2' indicates 'line' '3' indicates 'polyline'

<Enter> to accept

<Escape> twice to return to menu

DOWNLOAD TO DXF

Scroll across using arrow keys to XFER, Select SEND and **<Enter>**

Scroll down to DXF and **<Enter>**, Select **<OK>** at the "Ready?" prompt

Sight Prism then **F5** Measure

F6 P2

F2 OFFS

Input Offset Then **ENT**

OR

Sight Prism then **F5** Measure

Sight required point

ENT Then OK



Then

ENT



Then

ENT



Then

ENT



Then

ENT



Then

ENT

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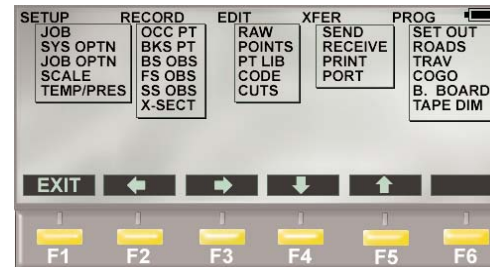
Level instrument using plate bubble

Power on

Turn Horizontal and Vertical Axis

Select **F1 - PROGRAMS** then Select **F1 - STDSVY**

600 Series MENU (STANDARD SURVEY SOFTWARE)



<Enter> JOB

NEW JOB / OPEN JOB

After opening or creating a new job Scroll across using arrow keys to RECORD

Select OCC PT **<Enter>**

Input Occupied Point number, Instrument Height and Point Code.

Enter Occupied Point NEZ

(N.B. if the occ/pt number has been stored in the memory, you will not be prompted for this information - see 'INPUT/EDIT OF POINTS')

Select BKS PT **<Enter>**

Input Backsight Point number, NEZ and Point Code.

(N.B. if the bks/pt number has been stored in the memory, you will not be prompted for this information - see 'INPUT/EDIT OF POINTS')

<Set> Bearing

Sight prism and press **<Enter>**

Select SS OBS (Side Shot Observations) **<Enter>**

N.B. At this point, user MUST use arrow keys for input of point information.

Input Point Number – NUMERIC FIGURES ONLY, then **↓**

Prism Height then **↓**,

Point Code and String if any then **↓**

N.B. User can enter Point Code by selecting P2 and F5 'LIB'

Sight prism and press **<Enter>** to record measurement and **<OK>** to accept.

Point number automatically increments for next data to be recorded. Prism Height, Code and String remain same.

STRING LINES/CONTROL CODING

Enter Code e.g. KB and String Line number e.g. 01 and points will string together when downloaded.

To remove string number, go to P2, use **→** to bypass number entered and **←**BS (backspace) to delete.

To input a control code, e.g. end of arc, go to P3 and select CTRL and input code.



F1 Then **F1**
PROGRAMS STDSVY

ENT



Then

ENT



Then

ENT



Then

ENT



Then

ENT



F4 ↓

