

# LEICA TS-06 OPERATING NOTES

## STATION SETUP OR RUN THE MACHINE

**Programs=> Enter**  
**Stn.Setup=> Enter**  
F1 Set Job=> F1 Press  
If you create the job before then  
Cont=> F4 Press  
And if you want to create a new job then look it;  
**New=> F1 Press**  
Job=> (write any name for your current activity)  
Operator=> (write your name) Then  
Cont=> F4 Press, then your job will be set;  
F4 Start=> F4 Press  
Then you will see the below display;  
Method: (**Ori. With Coord**) select  
Station: (write the name of your ID) => Enter  
Hi: (Put the height of your Total station)  
Cont=> F4 Press  
Hi: (Put the height of the prism) => Enter  
Then  
Enter Target Point or Back Sight (BS)  
Pt ID: (**Put the back sight ID**) => Enter  
Cont=> F4 Press  
Meas=> F1 Press  
F4 Compute=> F4 Press  
Set=> F4 Press  
New=> F4 Press  
Then your Station and orientation will be setup  
**If you want to check your station is setup, then**  
**Programs=> Enter**  
**Stakeout=> Enter**  
F4 Start=> F4 Press  
Find: (Put here your Back sight ID) => Enter  
Cont=> F4 Press  
**Dist=> F2 Press**, then you will see the following  
difference in the display screen  
 $\Delta E: 0.005m$   
 $\Delta N: 0.004m$   
 $\Delta H: -0.002m$   
The above all the Station Setup Process

## RESECTION OR FREE STATION

**Programs=> Enter**  
**Stn.Setup=> Enter**  
F1 Set Job=> F1 Press  
If you create the job before then  
Cont=> F4 Press  
And if you want to create a new job then look it;  
**New=> F1 Press**  
Job=> (write any name for your current activity)  
Operator=> (write your name) Then  
Cont=> F4 Press, then your job will be set;  
F4 Start=> F4 Press  
Then you will see the below display;  
Method: (**Resection**) select  
Station: (write the name of your ID) => Enter  
Hi: (Put the height of your Total station)  
Cont=> F4 Press  
Then  
Enter Target point or 1<sup>st</sup> point for Resection  
Pt ID:(Put the 1<sup>st</sup> point Coordinates or ID)=>Enter  
Cont=> F4 Press  
Meas=> F1 Press (Measure 1<sup>st</sup> point)  
F1 Measure more points=> F1 Press  
Enter Target Point or 2<sup>nd</sup> point for Resection  
Pt ID:( Put the 2<sup>st</sup> point Coordinates orID)=>Enter  
Cont=> F4 Press  
Meas=> F1 Press (Measure 2<sup>nd</sup> point)  
F4 Compute=> F4 Press  
Then you will get your free station coordinates  
then;  
Set=> F4 Press

**STAKEOUT OR CENTERLINE METHOD:**

**Programs=> Enter**  
**Stakeout=> Enter**  
F1 Set Job=> F1 Press  
If you create the job before then  
Cont=> F4 Press  
And if you want to create a new job then look it;  
**New=> F1 Press**  
Job=> (write any name for your current activity)  
Operator=> (write your name) Then  
Cont=> F4 Press, then your job will be set;  
F4 Start=> F4 Press  
First if you want to work as Manual; then  
Arrow Down=> F4 Press  
Manual=> F2 Press and fix the points  
If you want to repeat your procedure; then  
Arrow Down=> F4 Press  
ENH=> F2 Press  
Then; put the following details  
Pt ID: (1) this value is just for example  
E: Coordinate  
N: Coordinate  
Height: Level (if required)  
Cont=> F4 Press  
Arrow Down=> F4 Press  
Dist=> F2 Press and fix the point  
The for next point  
Find: 2 => Enter  
Cont=> F4 Press  
ENH=> F3 Press  
Then; put the following details  
Pt ID: (2) this value is just for example  
E: Coordinate  
N: Coordinate  
Height: Level (if required)  
Cont=> F4 Press  
Arrow Down=> F4 Press  
Dist=> F2 Press and fix the point

**TOPOGRAPHIC SURVEY METHOD:**

**Programs=> Enter**  
**Survey=> Enter**  
F1 Set Job=> F1 Press  
If you create the job before then  
Cont=> F4 Press  
And if you want to create a new job then look it;  
**New=> F1 Press**  
Job=> (write any name for your current activity)  
Operator=> (write your name) Then  
Cont=> F4 Press, then your job will be set;  
F4 Start=> F4 Press  
Note: First come to page 3 in current page  
Then you will see the below display screen  
Pt ID: (1) this value is just for example  
Hr: 1.300 m (height of prism)  
Remark: (Write the activity Code)  
E: Coordinate  
N: Coordinate  
Height: Level  
Then  
Meas=> F1 Press  
Then again and again repeat the Meas=> F1 Press  
But only change the (Remark) and when you  
finished your work then at the last....  
ESC=> Press  
Then how you will transfer your data from the  
Total Station into the USB. So let's come see;  
**DATA TRANSFER TO USB:**  
Firs on the main page  
**Transfer=> Enter**  
**Export=> Enter**  
Then you will see the below display screen  
To: USB-Stick  
Data Type: Measurement  
Job: Single Job  
Select Job: (**select that job that first you create  
for this activity**)  
Cont=> F4 Press  
File Name: Select any file in your USB; then  
Cont=> F1 Press  
Format: **DXF** (this type of file for autocad)  
Cont=> F4 Press  
Then your data will be successfully transfer from  
Total station to USB-Flash Memory Card