

CO-ORDINATE FUNCTION ON SET500/600

Set up and level the instrument over ground mark in the normal way, switch on and initialise the circles.
Or set up and roughly centre, switch on, initialise, then centre and level using the electronic bubble.
In Measure Mode, FUNC, TILT, bring bubble to centre of circle or use bring X,Y tilt values to zero.

1. If the co-ordinates are to be saved it is necessary to set up a job before proceeding.
Front Screen, MEM
Job, Job Selection, scroll to next available job (10 jobs)
Enter, then scroll to JOB name edit, and give name.
ESC to main screen. MEAS.
2. Select COORD function, FUNC, COORD, then scroll to:
3. Stn data -- Enter the co-ordinates of the set up point.
Edit to enter by hand, selecting the values from the bottom of the screen, FUNC key switches values.
Or Read the required point number from the Memory.
Enter Instrument and Target height if required.
OK.
4. Scroll to Set H angle, and then Back sight.
Enter co-ordinates of Back Sight point / RO point, by Edit or Read.
OK, this then displays Stn co-ordinates. OK.
Set H angle -- Take BS -- YES,
this calculates back bearing.

5. Scroll to EDM to set measuring mode,
i.e. Rapid "s", Prism and PC - 30, scroll down to check ppm = 0. ESC.
6. Scroll up to Observation.
This will measure to the prism and give the co-ordinates
OBS will take another reading.
HT will allow changes to instrument and target heights.
REC will save the co-ordinates, the next screen will then
If the target height and code remain the same, press
OBS and then REC each time.
7. Download data.
Set communication parameters.
CNFG, Comms setup.
Baud rate: 9600, 8bit, Not set, 1bit, No, No. ESC.
Set receiving package to the same settings.

MEM, Comms output.
Scroll to job, Enter, OK.

Memory:

Set500 has a 4000 pt memory, Set600 2000 pts.

Data input by hand and recorded goes into a central memory for later recall. Data can also be entered into the memory via a computer using SDRMap & Design, or ProLINK Comms, a free program available from Sokkia or off the Sokkia web page (www.sokkia.nl).