
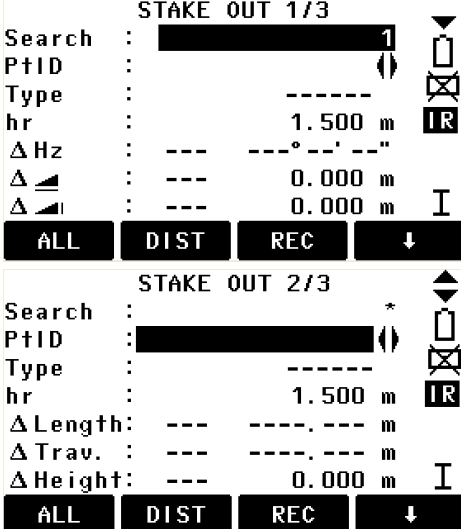
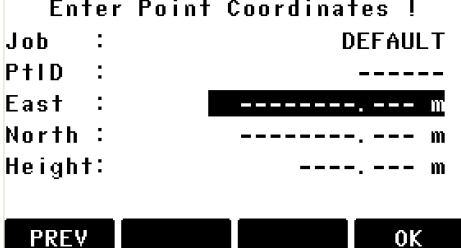
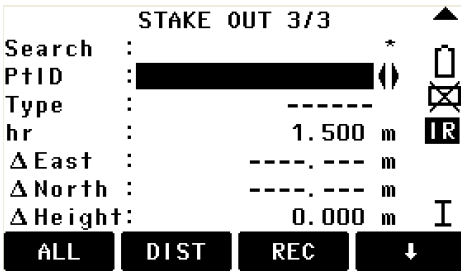


Surveying, Setting-Out on your TPS 800 Series Total Station

Most of this guide will be relevant for the TPS300, 400 and 700 series also but some functions may vary slightly.

Step	Action	Screen Display
	<p>SURVEYING (measuring points)</p> <p>Follow the guide to setting up the instrument first – Station setup TPS400 800</p>	
1	<p>Enter a Point ID (each must be unique and will automatically increment with each shot recorded)</p> <p>Enter a target height (hr)</p> <p>If you wish to code points, and a point codelist is loaded on the instrument, select the Code here. For more information see the guide Coding and data formats.</p> <p>Use the PAGE button to change the information you wish to view (i.e. Ha, Va, SD or E, N, H)</p>	
2	<p>Press F1-ALL to trigger a distance measurement and record the point. This does the same as DIST and REC combined.</p> <p>Press F2-DIST to trigger a distance only – useful to view the measurement on the screen before recording to memory.</p> <p>Press F3-REC to record the point.</p> <p>Press F4-↓ for additional options including EDM settings, CODE input and quick coding setting.</p> <p>To exit select ESC</p>	
3	<p>To download your measured points see additional guide – Using data exchange manager</p>	

Step	Action	Screen Display
	<p>SETTING OUT (staking out points)</p> <p>Follow the guide to setting up the instrument first – Station setup TPS400 800</p> <p>You can upload a list of coordinates to the instrument for setting out – please see additional guide – Using Data Exchange Manager</p>	
1	<p>To set out a point you can either:</p> <p>Select the point from the memory (go to step 2) or Input a point manually – either by coordinates (step 3)or by angle/bearing (step 5)</p>	
2	<p>To search from memory, enter the point ID into the Search field and press enter. If the point is correctly found, confirm the selection by F4-OK. You can also view the coordinates by pressing F1-VIEW. If the point is not found, either look in another job or press F3-NEW to create a new point manually.</p> <p>By entering a * symbol (+/- key using ABC mode) in the search field, you can scroll (<>) through all the points in the memory in the PtID field.</p> <p>Go to step 4</p>	
3	<p>You can enter the coordinates of a point manually by selecting F3-MANUAL. Enter the values and select F4-OK</p> <p>Go to step 4</p>	

<p>4</p>	<p>Once the point is entered or selected, the coordinate type is displayed if known (i.e. Fixpoint)</p> <p>Enter a target height (hr) if required.</p> <p>The bottom three lines show the direction to the point to be set out. Use the PAGE button to change between the views. Some information will become available once you measure a distance to the target (F2-DIST)</p> <p>To record a point (i.e. a check shot on the point) use F1-REC</p>	
<p>5</p>	<p>You can enter the bearing and distance to stake out by going to the additional options – F4-↓, F4-↓, F1-B&D</p> <p>The screen will then display the bearing and distance to set out your point. Press F2-DIST to update the position of the target. F3-REC will record the point. Press F1-NEW to enter a new bearing and distance.</p>	