



Sokkia Digital Level

Level run

Create Digital Level Configuration

Go to "Configure"

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- Go to "Survey"
- Go to "Select from Library" of Optical Configuration



Create Digital Level Configuration

Go to "Add"

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- Add: you can create a new configuration
- Edit: you can edit the existing configuration.
- This method is overwriting it
- Edit "Name" and Select "Level" from "Type"



Click "Next>>"

Create Digital Level Configuration

 Select "Topcon" as Manufacturer and edit "Model"

- Click "Next>>"
- Select how to connect with DL series
- Go to Green check



Connect Digital Level to MAGNET Field

- Go to "Connect" in Home Menu
- Tick Optical and select DL configuration in "Device type"
- Click "Connect"

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Select DL's S/N and Click "Select"





Level Run

- Go to "Level Run"
- Input the project "Name"
- Click "Next"

- Create or select one point as Back sight
- Waving the staff on the Benchmark



Level Run

- Click "BS"
- The measurement will auto populate in the controller.
- Notice the calculated HI
- Select one point as FS or SS
- Place the rod over the next point
- Click "FS" and start waving the staff on the FS point
- FS point will be created
- The FS here will be our Turning Point aka TP



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Level Run

- Select the FS previously measured as the turning point
- Use the list view for faster results
- Keep the Rod on the same point
- Advance the DL in the direction desired aka leapfrog
- Click "BS" to measured the TP
- Place the rod over the next FS aka TP
- Input the new FS name at the left of icons
- Click "FS" to measured it
- Repeat these steps to continue advancing to the next benchmark or to return to the origin.



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Level Run: Side Shots

- Sideshots these can also be measured during the level run to capture additional points along the Level Run
- Input the name for Side Shot
- Click "SS"
- Waving the staff on the SS point
- SS point will be created



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Level Run: Results and Reports

- After returning to the first BS point, "SumBS - SumFS" will pop up
- Go to "Data" tab

 Click the report icon and export Result Report





MAGNET: Digital Level Staking

- Go to "Stake"
- Go to "Points"
- Select "BS Point" & "Design Point"
- Place the Rod over the point of known elevation
- Click "BS" and complete setup
- Click "Stakeout





How to Stake with Digital Level and MAGNET Field

Place the staff on Design Point

Click "Meas"

Review results and store

- And repeat as necessary
- Click "Close"



Troubleshooting section Digital levels

If the rod is not read by the **D**igital Level make sure to:

- Check the aim of the scope using the peep View
- Remember to focus the lenses to the objective
- Remove cover
- Clean the Level rod
- Light on the rod is required to read the rod
- There cannot be direct light aim towards the DL in order to get the measurement

