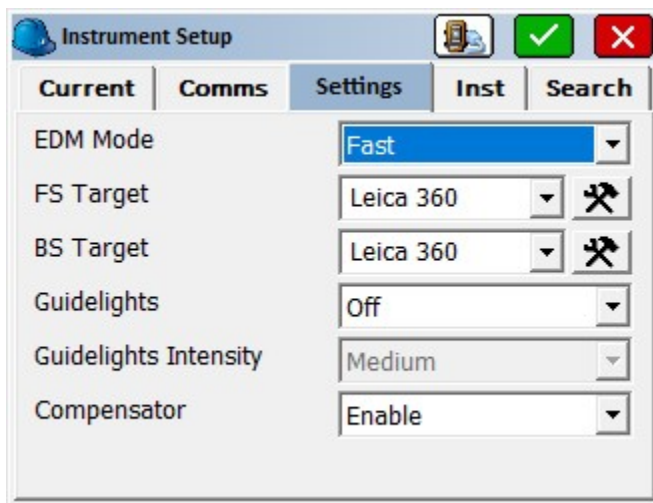


This is in regards to using the Carlson CR+ robot when you are within 50 feet or less from your prism pole to your instrument.

In SurvCE or SurvPC you can tap Equip / Total Station / Settings tab and change it to “EDM Mode: Fast” as shown in the screenshot below rather than the Default mode of “Standard”.

If you are not using a bi-pod and you are at close range to the CR+ instrument the robot will lose sight of the prism due to even the slightest movements of your prism when the EDM attempts to take a distance reading. Using EDM Mode: Fast when closer than 50 feet to your instrument and not using a bi-pod will improve the performance and avoid unnecessary errors.



The EDM mode does affect the length of time to take the reading as well as the accuracy however at close ranges when you are free handing the Prism Pole without a bipod the differences in accuracy of 0.003 foot shouldn't cause any problems:

Standard has a standard deviation of 1mm + 1.5ppm with a typical measurement time of 2.4 seconds

Fast has a standard deviation of 2mm + 1.5ppm with a typical measurement time of 0.8 seconds

Tracking has a standard deviation of 3mm + 1.5ppm with a typical measurement time of 0.15 seconds