Overview

The AGT Laser Receiver is a landscaping tool used to measure the elevation offset from a given location (benchmark). The tool is used to set grade on a job site.

The AGT Laser Receiver consists of two main components, the AGT Remote and AGT Tool. The AGT Tool captures the laser beam and processes the information. The AGT Remote receives the processed data and displays the offset to the screen.

Details

- PSoC3 and PSoC4 Microcontrollers
- Photosensing Diodes
- Bluetooth Communication
- AGT Remote with LCD
- AGT Tool for Laser Capture

Design

Results

- The AGT Laser Receiver will manually calculate the elevation offset.
- Elevation offset data is displayed to the LCD to give user feedback.
- Elevation offset data can be saved to memory.
- Elevation data can be gathered in a quicker and more efficient manner.
- Hours of manual labor will be reduced on a single job site.

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