



# Gocator Release Notes for Wagstaff sensors

## 4.7.12.155

This build adds firmware support for the following Wagstaff Gocator models:

- 2345 Class 2M, PN: 332345C-2M-R-50-T
- 2385 Class 2M, PN: 332385C-2M-R-50-T

This includes new default exposures provided by Wagstaff based on their testing:

- 2345 Class 2M: 400, 3000, 12000 us
- 2385 Class 2M: 1000, 4000, 10000 us

## 4.7.12.168

This build adds firmware support for the following Wagstaff Gocator models:

- 2381 Class 2, PN: 332381C-2-R-50-T

## 4.7.12.174

This build implements auto-start of the sensor after a software commanded sensor reset.

Previous builds would auto-start the sensor on initial startup and power cycle, but not after software commanded reset.

## 4.7.12.178

This build extends the maximum measurement range of the Gocator 2385 to guarantee that all sensors report valid ranges from +/- 350 mm.

## 4.7.12.182

Changed alignment such that it DOES capture the Z offset

- This causes the X axis in the visualizer to shift to the profile position after alignment is performed

XLine tool determines the aligned Z offset from the alignment

XLine tool offsets the Z measurement value by the aligned offset such that the value is compatible with previous firmware versions.

- This value continues to be used for analog output

Raising cast start moves the tool from state 0 (not casting) to state 1 (cast start)

User lowers cast start for in between 50 to 500 frames, and the tool enters a new state 2

- The search window's lower limit is now clipped at -63.5mm (Wagstaff's 0)
- Similar to cast start but at a fixed position, relative to the alignment

Note that the Z Axis labels in the UI will not match the Z value measured by the tool

- It is expected this could cause some confusion

## 4.7.12.184

This build further extends the maximum measurement range in the web user interface of the Gocator 2385 to guarantee that all sensors report valid ranges from +/- 350 mm. There are no change to the sensor datasheet specifications.

The new maximum measurement range is +/- 400 mm, however only measurements between +/- 350 mm are reported as valid

The new analog measurement range also has buffer added, the new analog output setup:

Data Range: -357 to +357 mm

Current Range: 3.84 to 20.16 mA

This provides the same scaling as the previously accepted Wagstaff builds:

Data Range: -350 to +350 mm

Current Range: 4 to 20 mA

## 4.7.12.186

This build only includes an SDK update.

This SDK build improves the handling of `GoSensor_StopRecordingStream()` to ensure it always exits promptly.

## 4.7.12.196

Added a new "Reference Level" parameter on the XLine tool to control the previous 63.5mm default reference level for 3rd stage filtering.