

Release Notes for Firmware v4.7.12.168

Build 4.7.12.168

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

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

Build 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

Previous Builds:

Build 4.7.12.86

- Technician password set to "gocator".
 - To increase security, the password was set to prevent unauthorized access and accidental stopping of the sensor. In addition, add a warning about ability to stop the sensor in the user manual.
- Expanded range on G2345 from +/-150mm to +/- 153mm.
 - The Gocator currently does not have any additional measurement range below or above the -150 to +150 measuring range. This expanded range will allow the sensor to take better measurements directly at the 150m range.
- Validity measurement smoothing enabled.
 - Wagstaff has identified two typical casting situations that may lead to a "flickering" of the validity signal before cast start.
 - A. Particular positioning of Fiberglass mesh on starting head for hard alloy casting
 - B. Large angle of beam on curved starting head with respect to reference fixture

These scenarios result in some invalid frames mixed with many valid frames. The filtering is intended to avoid "system stability" permissive issues while still providing a useful validity signal.

- Analog output temperature scale changed to -128 - 128 (from 0-70).
 - To match the XLine 2 sensor temperature scale.
- Change the Maximum Search time from 1 to 3 seconds.
 - The sensor algorithm was modified to allow longer evaluation times and avoid spikes in level measurement.