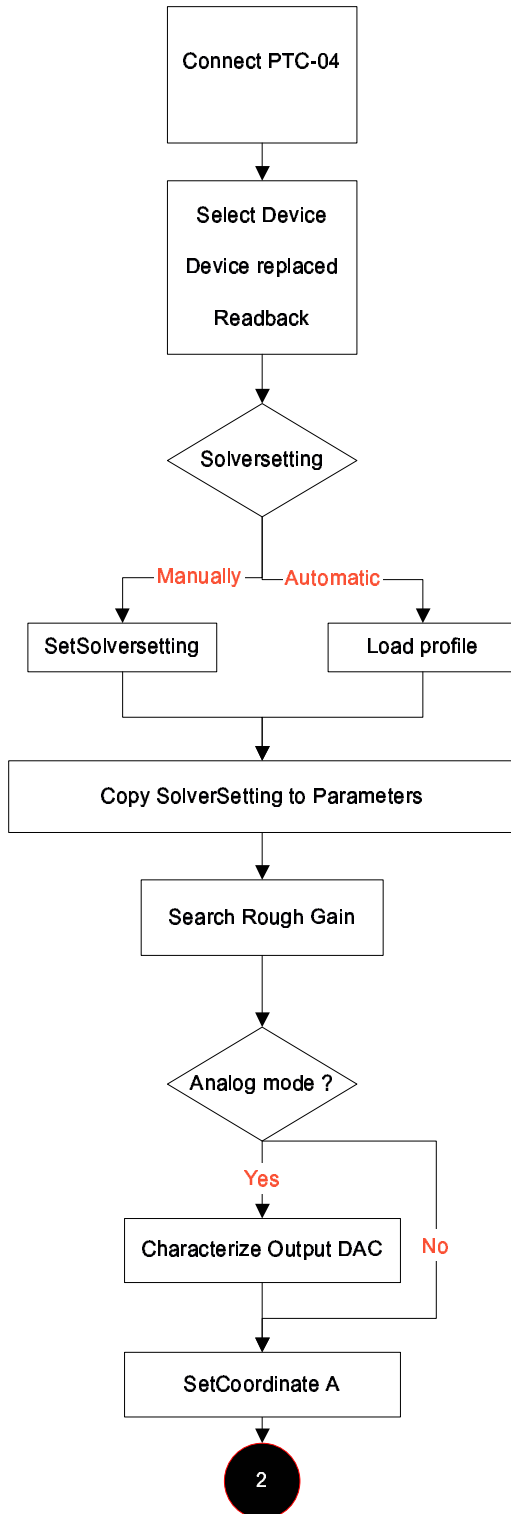


MLX90316 BAD Solver flow

MLX90316.PSF Solver sequence



Initialize :
All settings are initialized

Solver settings :
Rotation direction
Output Mode
Clamping levels
....

Solver setting :
Use function Solversetting
or load from the profile (ini file)

Copy solversettings
Solversettings are copied to parameters

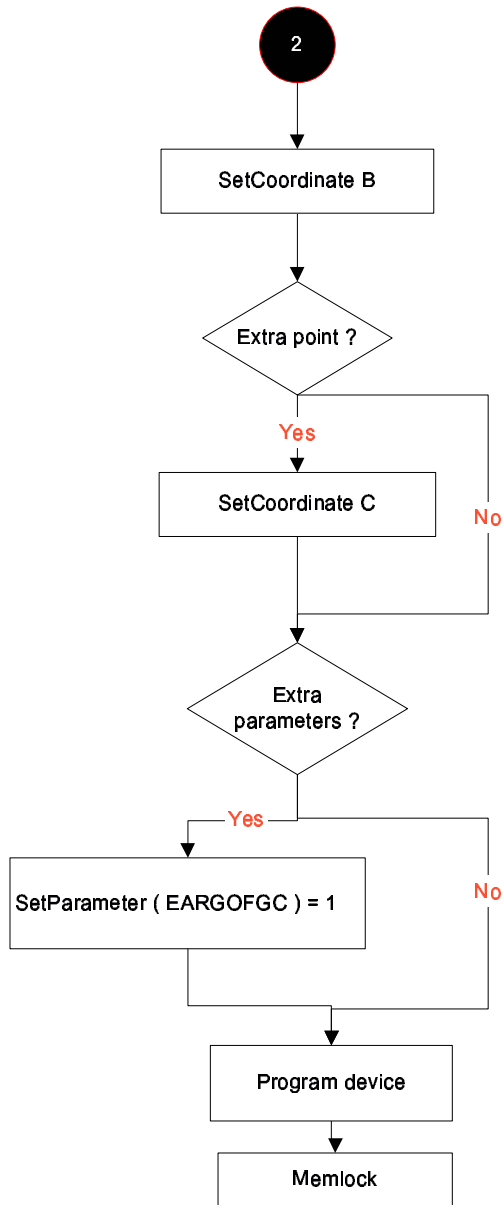
Rough gain :
The optimal rough gain will be determined.
90316 is programmed with RG start value
Other gain options like EnableAutomaticGain ,
thresholds can be set later

Output mode :
In case of analog output mode, it is recommended
to characterize the output D/A stage.
The result is available in the solversetting and will
be used during the calculation of target levels.

Set coordinate A :
Target level and angle @ A are set
Angle A is the ref point. DP point is calculated

MLX90316 Solver flow

MLX90316.PSF Solver sequence



Set coordinate B:
Target level B is set .
Slope A is calculated

Set coordinate C:
Target level C is set .
Slope B is calculated

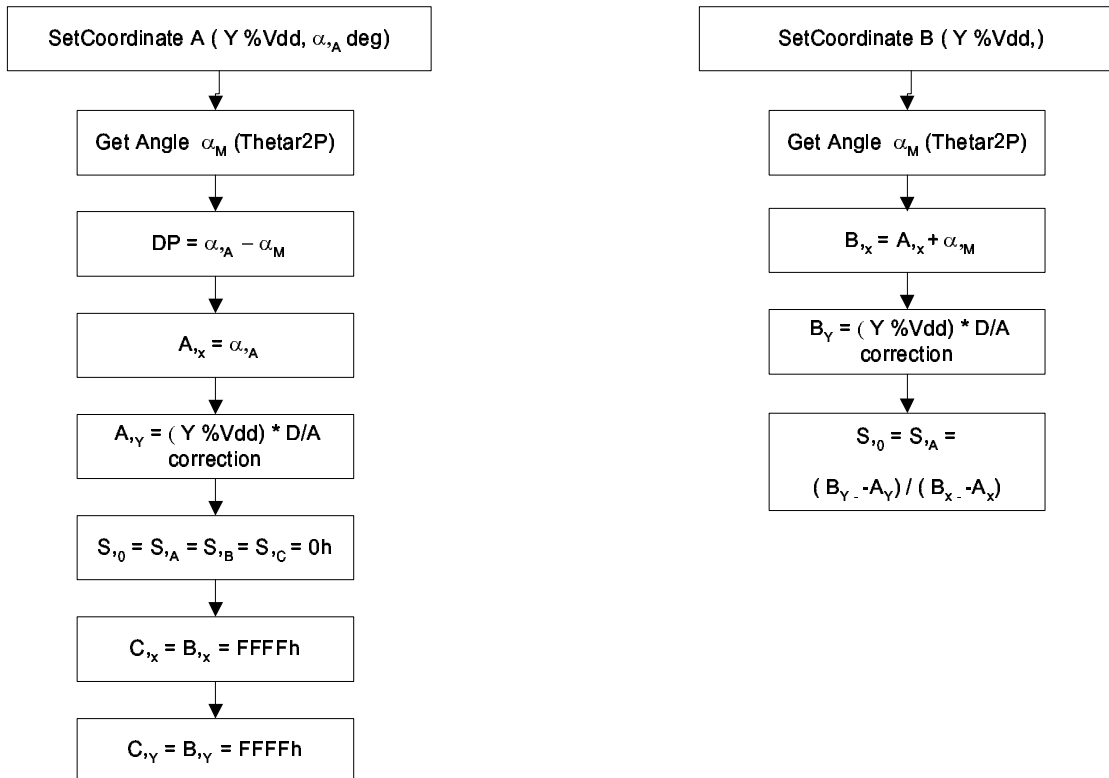
Parameters
Optional parameters can be set.(SetParameter function)
It is advised to enable the AutomaticGain
" SetParameter (EARGOFGC) = 1 "

Program
Parameters are programmed in EEPROM

Memlock
Hamming code is updated
EEPROM is locked

MLX90316 Solver flow

MLX90316.PSF Solver sequence



Set coordinate A :

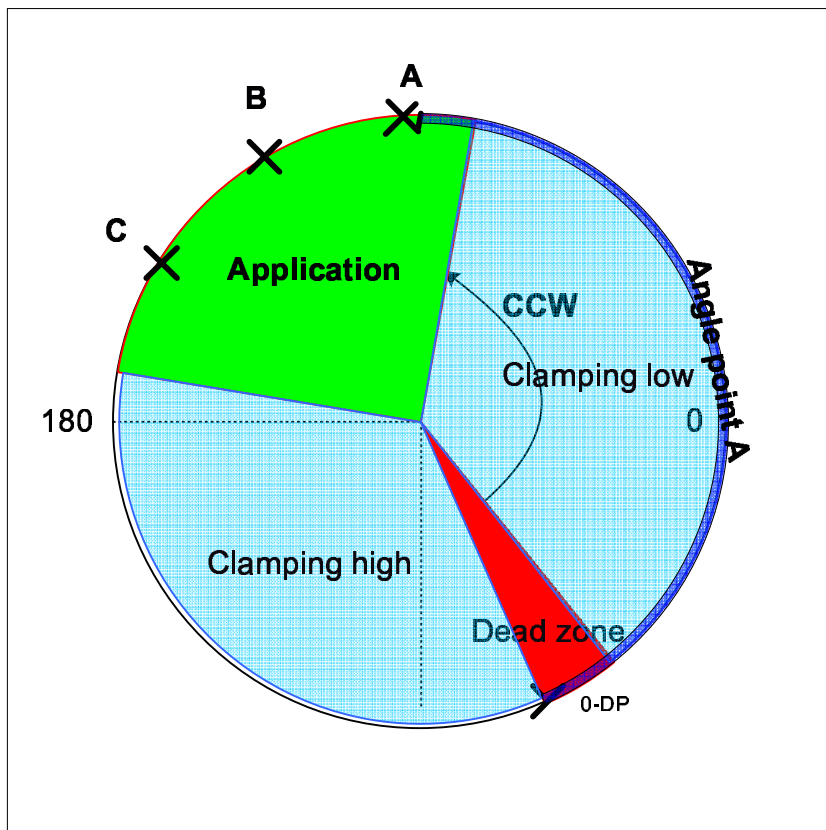
Target level and angle @ A are set
Angle A is the ref point. DP point is calculated
Other parameters are set to default values

Set coordinate B :

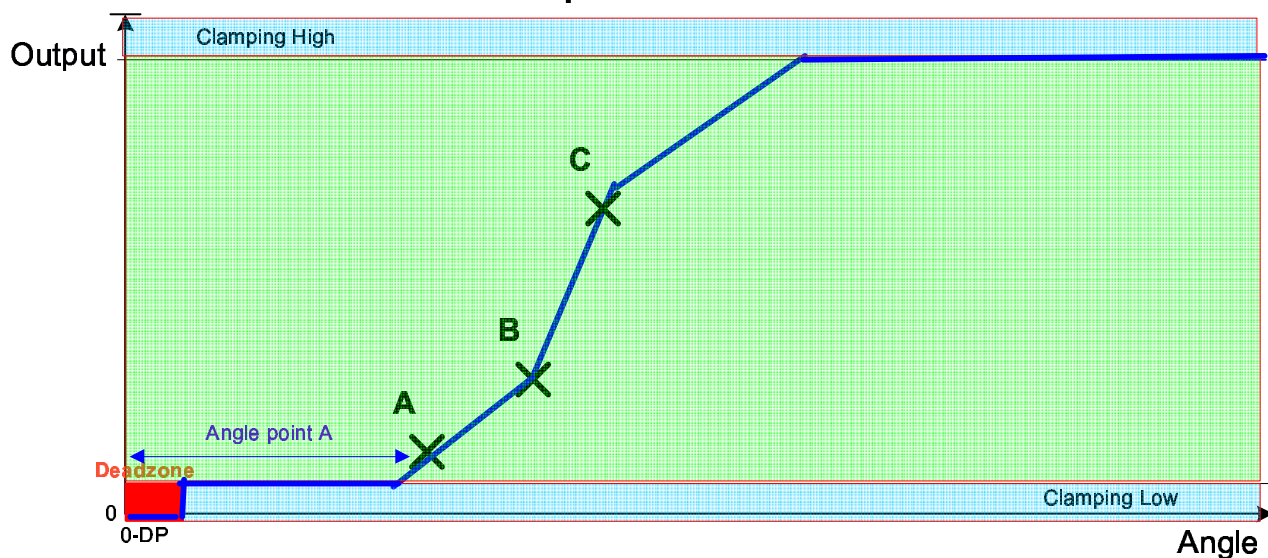
Target level and angle @ B are set
Slope S₀ and S_A are calculated

MLX90316 Solver flow

MLX90316.PSF Solver sequence



3 point Calibration



order of programming : 1 2 3