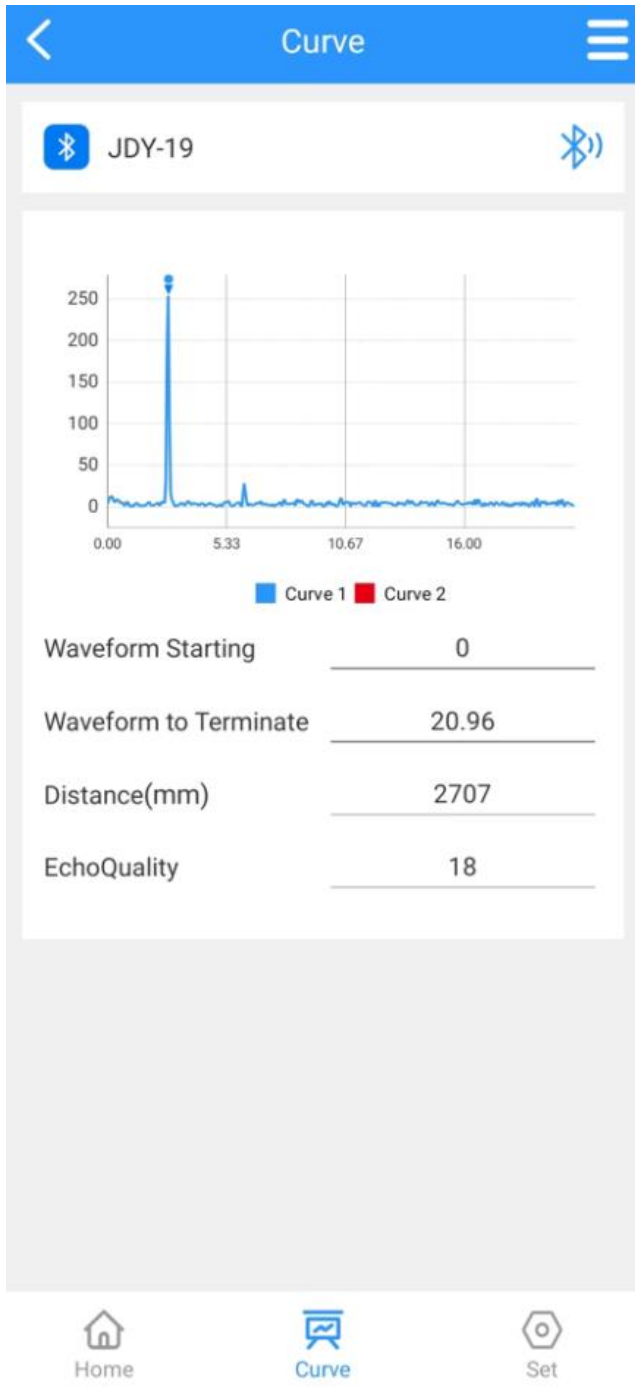## Home:

Material Level: Liquid Level Value

Distance: The distance from radar sensor to the liquid surface.

Current: Analog signal output corresponding to liquid level

Percentage: The percentage of liquid level and max range

Running State: Working stage,0 is work well, 1 is error.

Curve

Waveform Starting: The starting position of the waveform

Waveform to terminate: The stopping position of the waveform

Distance: The distance from radar sensor to the liquid surface.

Echo Quality: The quality of Echo, unit is DB.

⊗ JDY-19

Range(mm)	20000
Migration Amount(mm)	0
4mA Location(mm)	0
20mA Location(mm)	20000
Blind Area(mm)	200
Damping Time	50
Device Address	1
Baud Rate	9600

[READ] [⚙ SET] [BACKUP] [↻ RESTORE]

False Echo Position One(mm)	0	📖	🗑
False Echo Position Two(mm)	0	📖	🗑
False Echo Position Three(mm)	0	📖	🗑

Basic Parameters

Range: Max Measure range

Migration Amount: Range less then max measure range

4mA Location: The liquid level value corresponding to 4mA

20mA Location: The liquid level value corresponding to 20mA

Blind Area: Areas that cannot be measured by radar sensor.

Damping Time: The speed at which the actual liquid level is displayed on the screen,The longer the damping time value, the slower the response.

Device Address: Device No, It can be modified.

Baud Rate: Default Baud Rate is 9600

False Echo Position One: The location of the first false echo. If you know the location of the obstacle and input the level value, the system will automatically block this false echo.

False Echo Position Two: The location of the second false echo. If you know the location of the obstacle and input the level value, the system will automatically block this false echo.
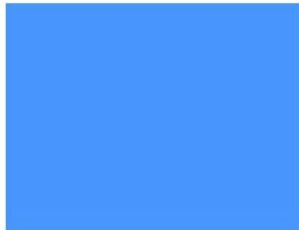
False Echo Position Three: The location of the third false echo. If you know the location of the obstacle and input the level value, the system will automatically block this false echo.

JDY-19

Current Simulation(mA)	0
Working Location Number	JDY-19

READ **SET**

Threshold Value	5
Threshold Amplitude	10
Echo Window	5000
Rate of Level Change	36000
Fixed Offset	-94
Gain Mode	0
Gain One	1
Gain Two	24
False Wave Threshold	200
Echo Width	15

Advanced Parameters

Threshold Value: The setting parameters used to distinguish between signals and noise.It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Threshold Amplitude: The threshold value used to distinguish between signal and noise, with a minimum parameter setting of no less than 6.It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Echo Window: Represent setting an area centered around the echo signal, only searching for echo signals within the area, and echo signals outside the area are invalid.It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Rate of Level Change: Indicates the maximum allowable level change rate for each detection.It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Fixed Offset: It is recommended to use the default automatic gain mode and not modify it. If you have other requirements, please contact company technical support.

Gain Mode: The gain mode is divided into manual adjustment signal gain mode and automatic adjustment signal gain mode,When gain model=0, it is in automatic gain mode,Gain model=1, in manual gain mode Automatic gain can be automatically adjusted based on the strength of the ADC signal

It is recommended to use the default automatic gain mode and not modify it. If you have other requirements, please contact company technical support.

Gain One: The signal gain control value in the TIA gain chip is between 0-3, and manual adjustment is not required in automatic gain mode.

It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Gain Two: The signal gain control value in the VGA gain chip is between 0-24, and manual adjustment is not required in automatic gain mode

It is recommended to use default parameters. If you have any requirements, please contact company technical support.

False Wave Threshold: Used in conjunction with false echo position: The false wave threshold only takes effect when the false echo position is specified. The false wave threshold is a multiplier coefficient used to filter the height of false echoes.

It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Echo Width: Default parameters are not recommended for modification. If you have any requirements, please contact company technical support.

Power: When Power is configured to 0, the PGA gain is adjusted first, and the TIA gain is not automatically increased. It is recommended to use the default of 0.

It is recommended to use default parameters. If you have any requirements, please contact company technical support.

Power One: This parameter is for the search target mode;

When Power 1 is set to 1, it means that the target is the distance corresponding to the maximum amplitude of the echo that exceeds the set threshold, which is the maximum value search;

When Power 1 is set to 0, it means that the target is identified as the distance corresponding to the target with the echo exceeding the set threshold and the farthest forward in distance;

It is recommended to use the default parameter 1 and search by the maximum value. If you have any requirements, please contact company technical support.