

# Software

- [TwinProx Universal Proximity System \(Software Manual\)](#)

# TwinProx Universal Proximity System (Software Manual)

TwinProx User Interface Version  
1.0.5

TwinProx User Interface Release 5

Connecting to TwinProx

# TwinProx

GET STARTED

Select available device

COM	4	▼	SCAN	ENABLED	DISABLED
RTU	5	▼	SCAN	ENABLED	DISABLED

CONNECT

## Configuring TwinProx

Information - shows the hardware and software revisions.

ONLINE

RESCANMODBUS STATISTICS

System Configuration

Linearization

Time Waveform Display

System Configuration

Information

Probe/Target

Applications

Alarms

Time Waveform

Linearization

Update

Firmware and UI Information	
TwinProx Firmware Version	1.10
TwinProx Firmware Release	12
TwinProx User Interface Version	1.0.5
TwinProx User Interface Release	5

Probe/Target - Allows user to define the probe series, length and target materials.

ONLINE

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Channel A Probe and Target Settings		Channel B Probe and Target Settings	
Probe Series and System Length	3309FV 1m	Probe Series and System Length	3309FV 1m
Target Material	4140	Target Material	4140

Save Settings

Applications - Allows user to define the application and relevant settings for that particular application for each channel/probe.

ONLINE

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Machine Speed Settings

Machine Speed Range:6000

Application Settings

Channel A Application:Radial Vibration

Channel B Application:Phase Reference

Channel A Gap Adjust:Default

Channel B Gap Adjust:Default

Threshold Settings

High Threshold:75.0

Low Threshold:55.0

Digital to Analog Converter(DAC) Settings

Channel A DAC:Disabled

Channel B DAC:Disabled

Save Settings

Alarms - Allows user to define the alarms relevant to the selected application.

ONLINE

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Channel A Alarms		Channel B Alarms	
Distance High High: 00.0	<input type="range"/>	Distance High High: 00.0	<input type="range"/>
Distance High: 00.0	<input type="range"/>	Distance High: 00.0	<input type="range"/>
Distance Low: 00.0	<input type="range"/>	Distance Low: 00.0	<input type="range"/>
Distance Low Low: 00.0	<input type="range"/>	Distance Low Low: 00.0	<input type="range"/>
Vibration High: 00.0	<input type="range"/>	Vibration High: 00.0	<input type="range"/>
Vibration High High: 00.0	<input type="range"/>	Vibration High High: 00.0	<input type="range"/>
Speed Low: 00.0	<input type="range"/>	Speed Low: 00.0	<input type="range"/>
Speed High: 00.0	<input type="range"/>	Speed High: 00.0	<input type="range"/>

Save Settings

Time Waveform - Allows user to add filtering, total runout compensation and a vibration threshold which effect the output on the Time Waveform Display Tab.

ONLINE

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Chart Settings

Average filtering : 

ON

OFF

Total Runout (TRO) : 

ON

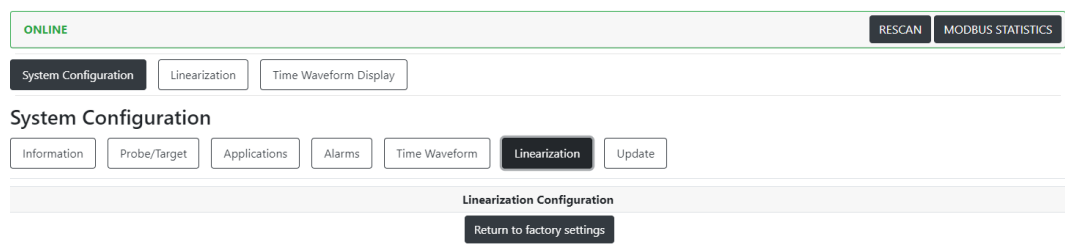
OFF

Vibration Threshold :

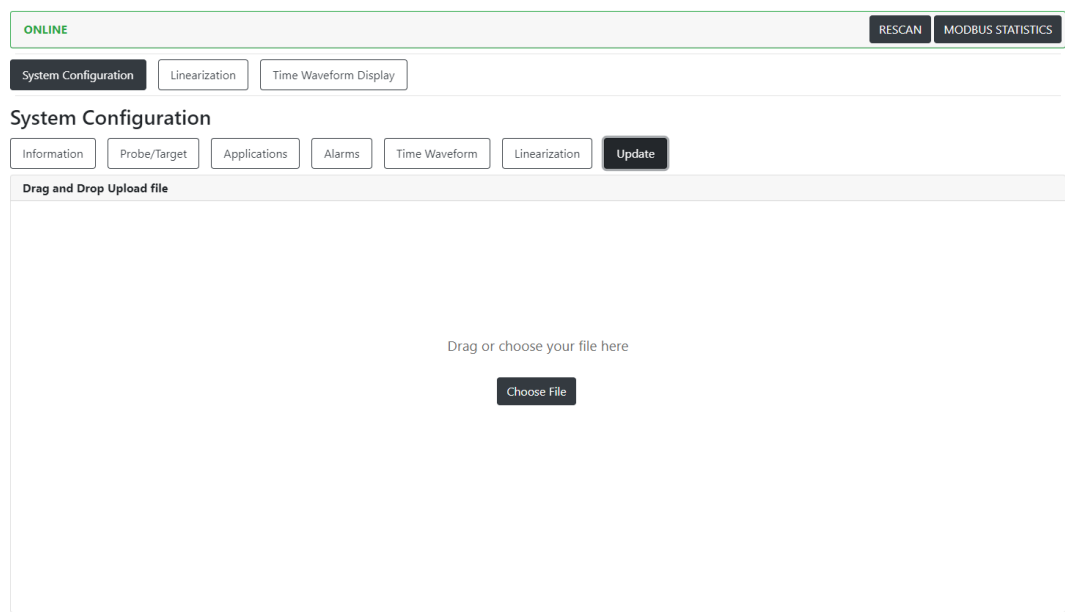
Save Settings

Linearization - Returns any changes made to the

linearization of a channel to original factory settings.

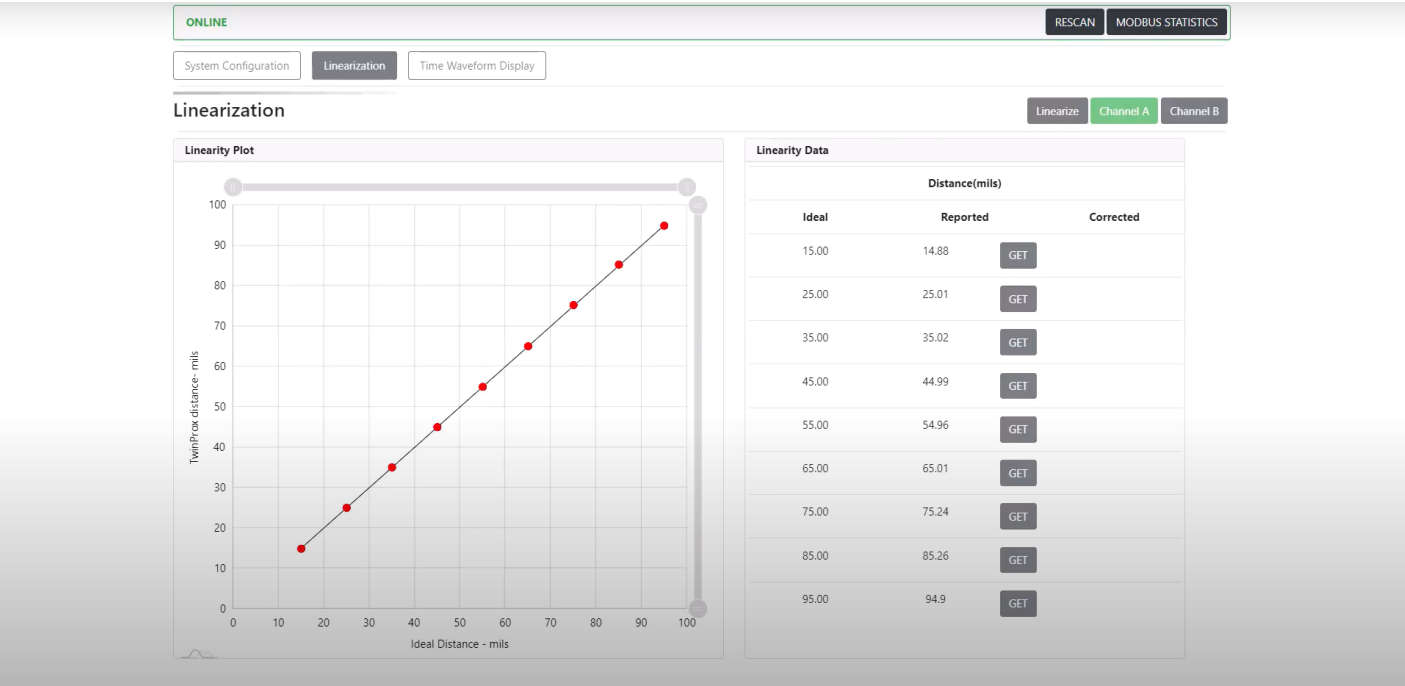
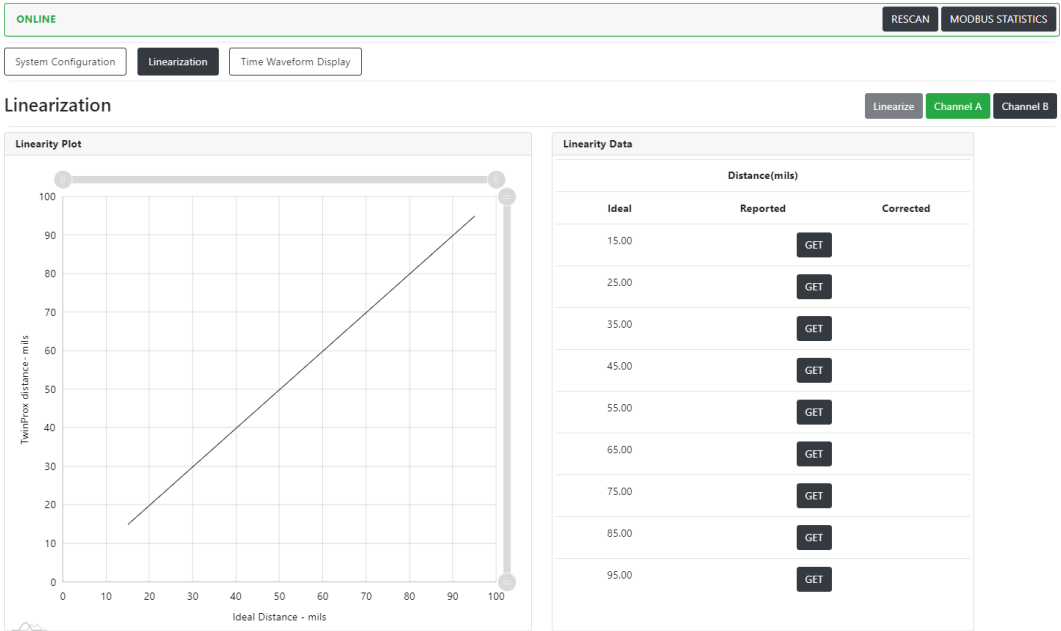


Update - Allows for a user to upload new firmware to the connected TwinProx hardware.

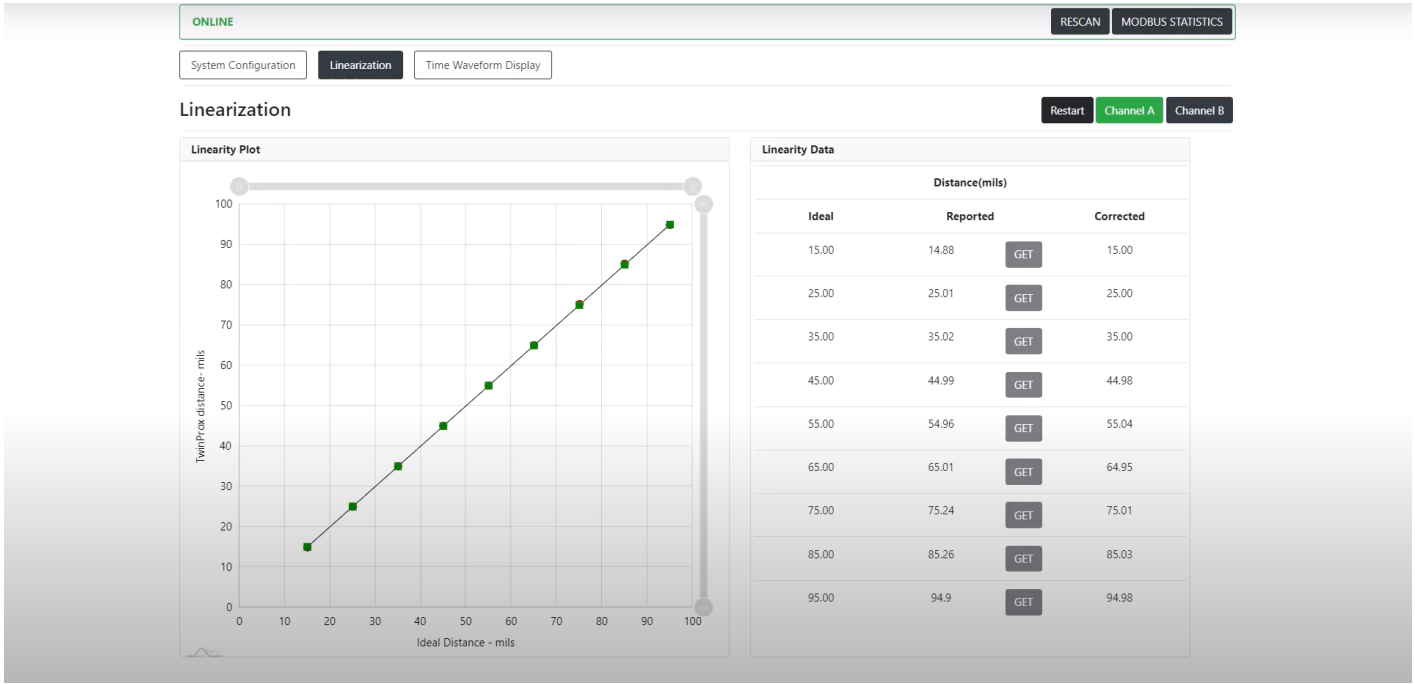


# Linearizing (Verification) of TwinProx

## Channel A Example:





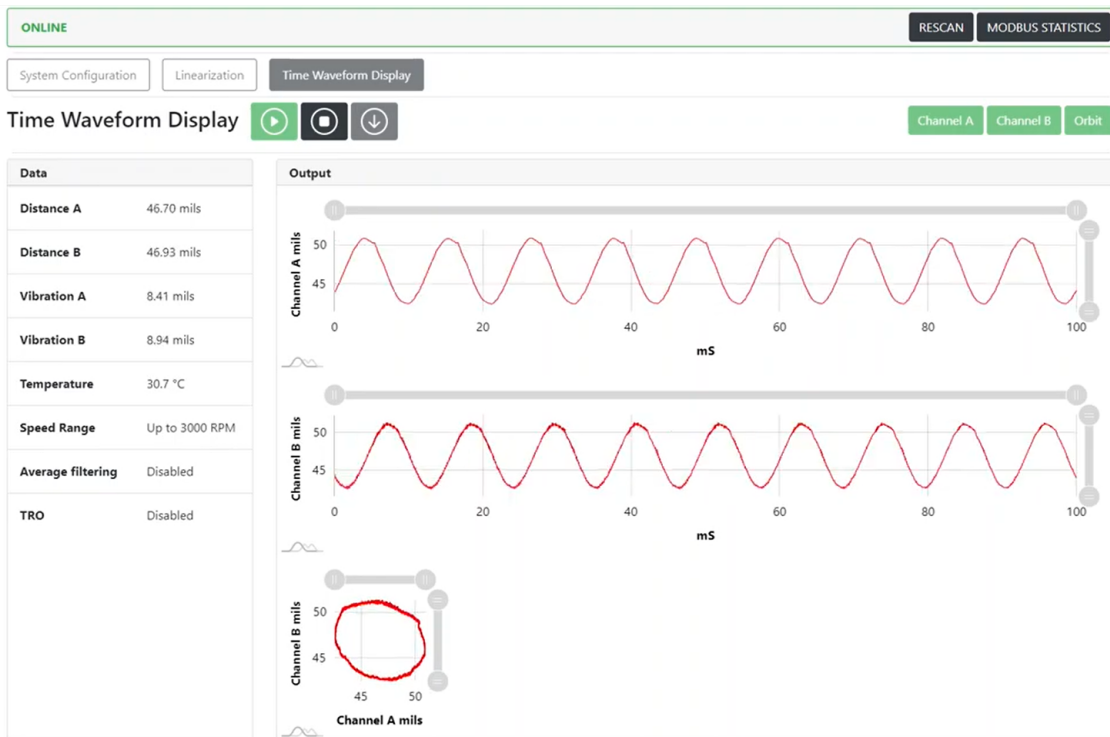


Video Example:

# Waveform and Orbit from TwinProx

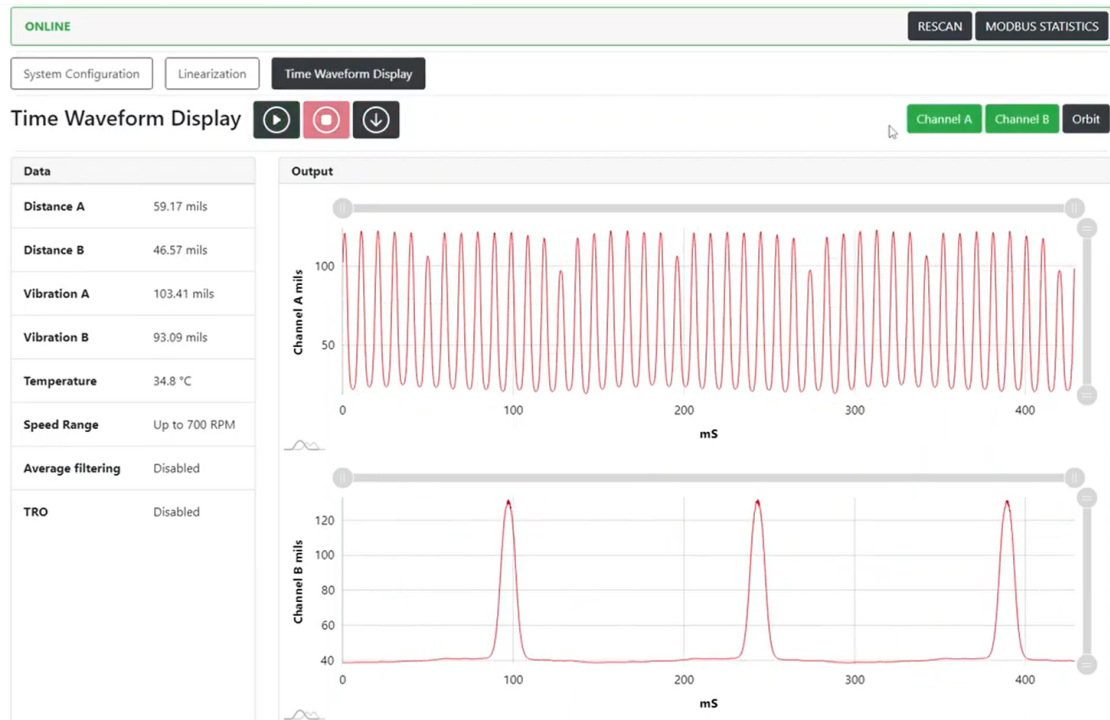
## Starting the Live Waveform and Orbit

Select the channels that you would like to see data from, click the play button.



## Stopping the Live Waveform and Orbit

Click the stop button.



# Downloading the Last Frame of Waveform and Orbit

After clicking the stop button, you can click the download button to save a CSV of the last waveform and orbit data captured.

The CSV also contains a timestamp and configuration parameters of the TwinProx and Channel settings.

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