

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.

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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.

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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.

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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

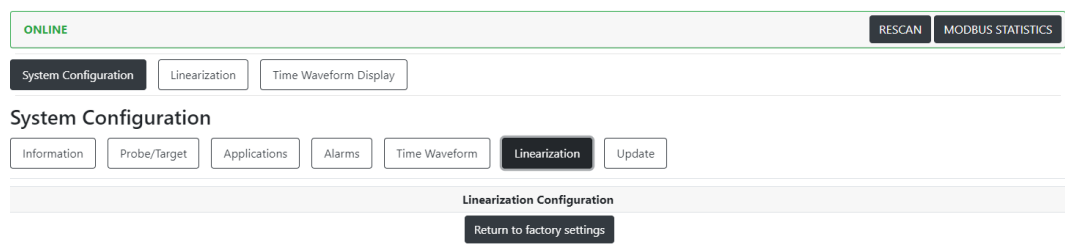
OFF

Vibration Threshold :

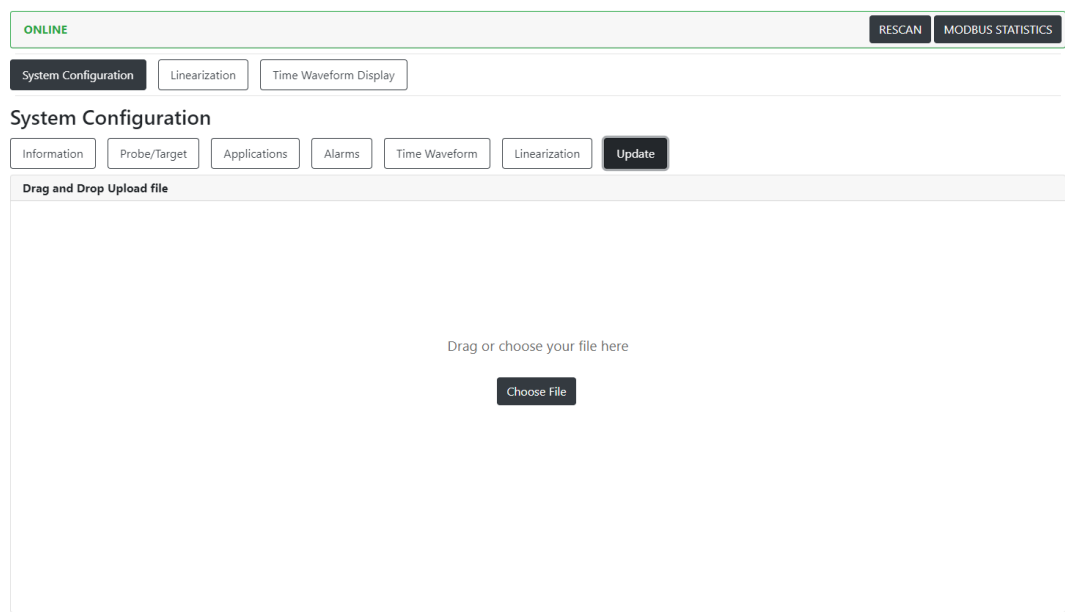
Save Settings

Linearization - Returns any changes made to the

linearization of a channel to original factory settings.

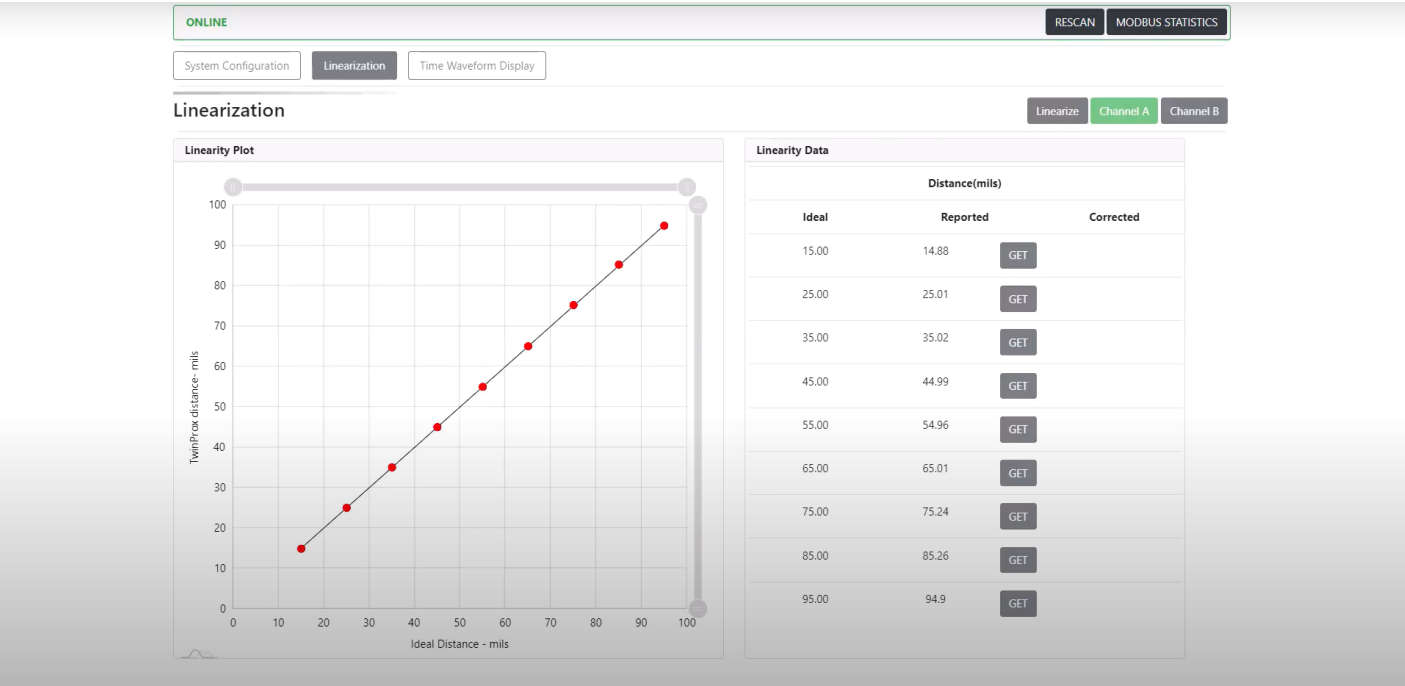
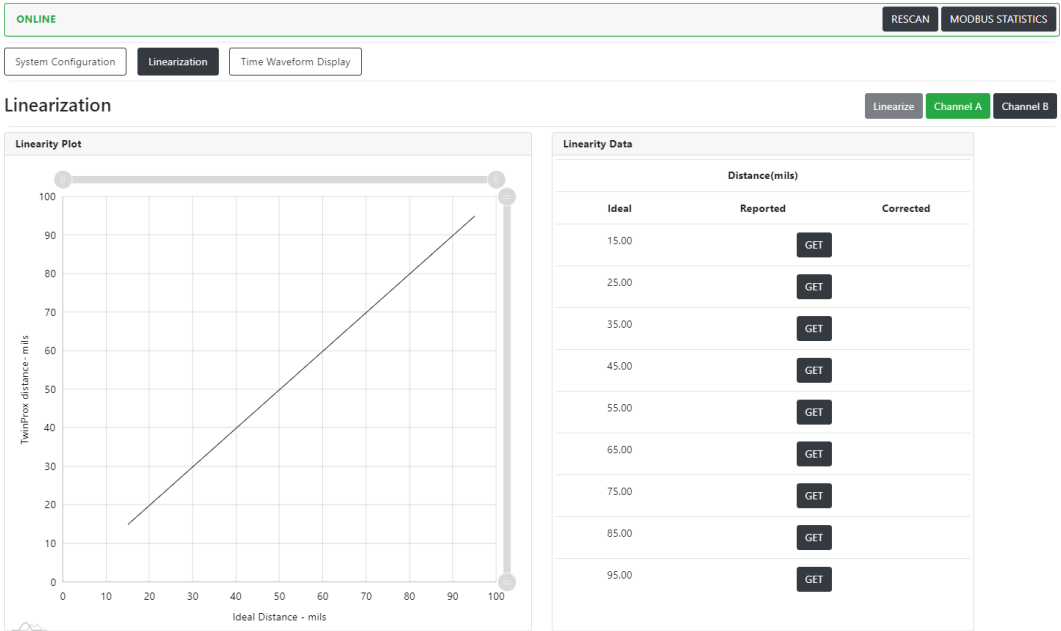


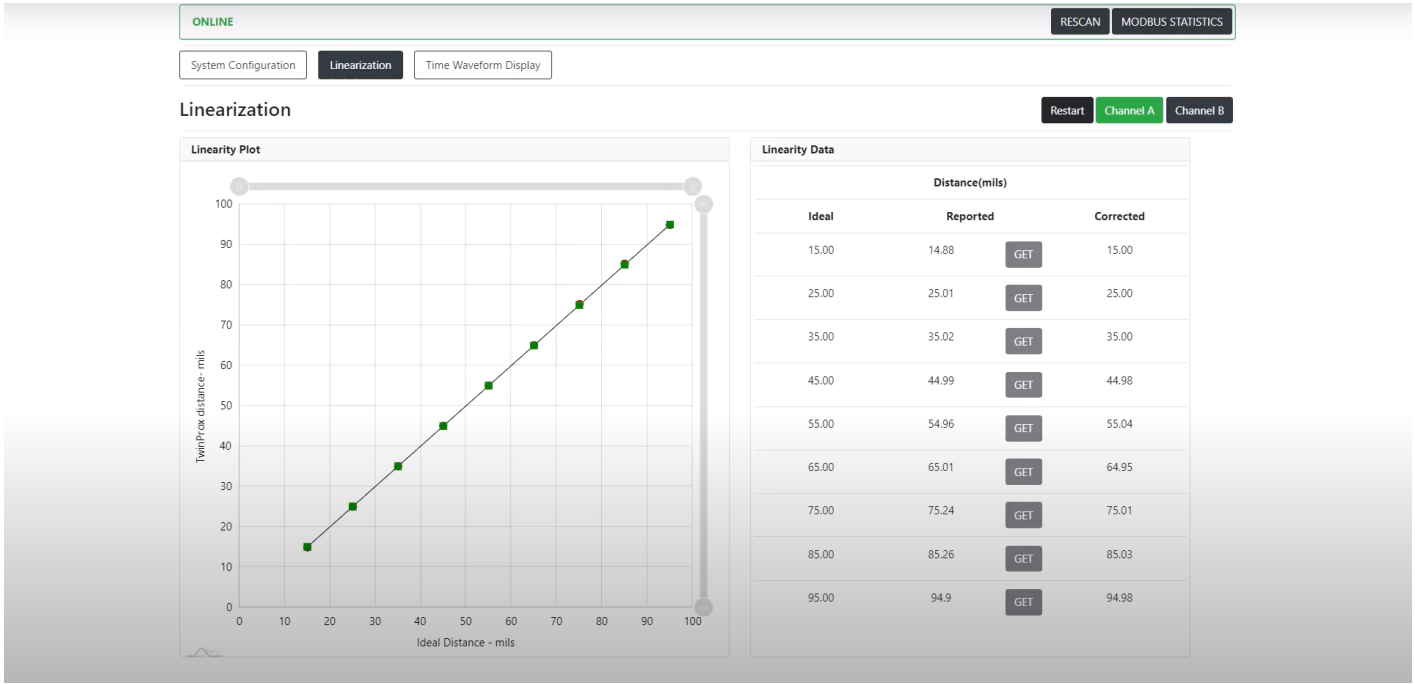
Update - Allows for a user to upload new firmware to the connected TwinProx hardware.



Linearizing (Verification) of TwinProx

Channel A Example:



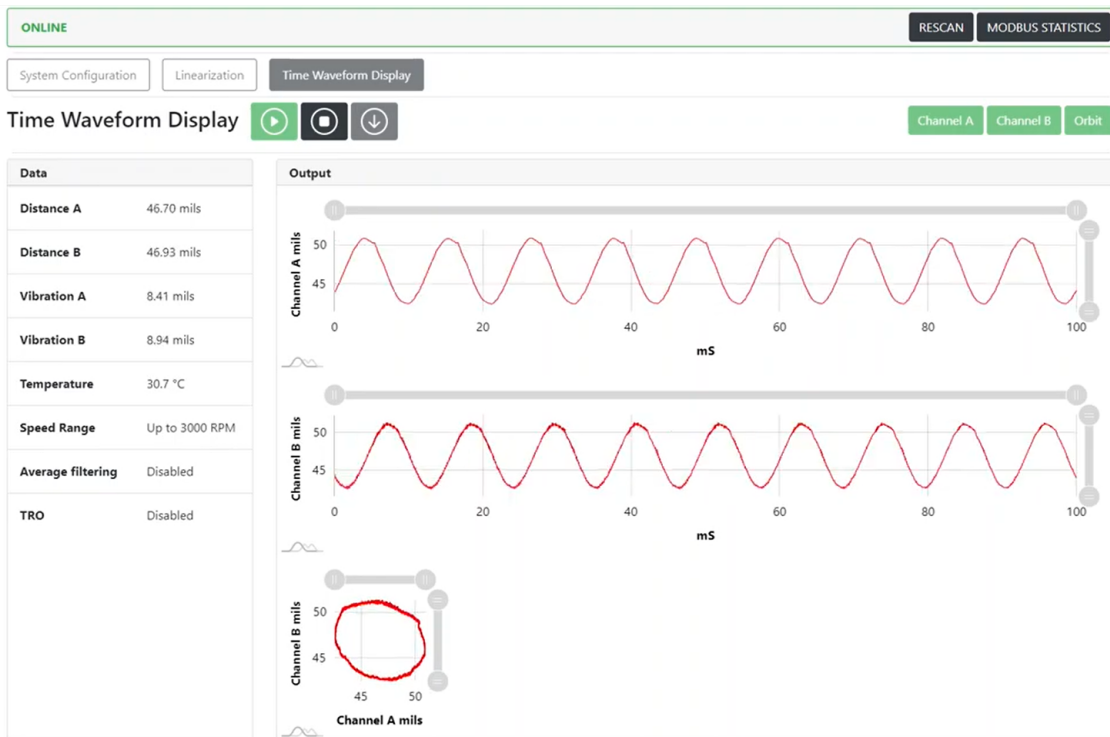


Video Example:

Waveform and Orbit from TwinProx

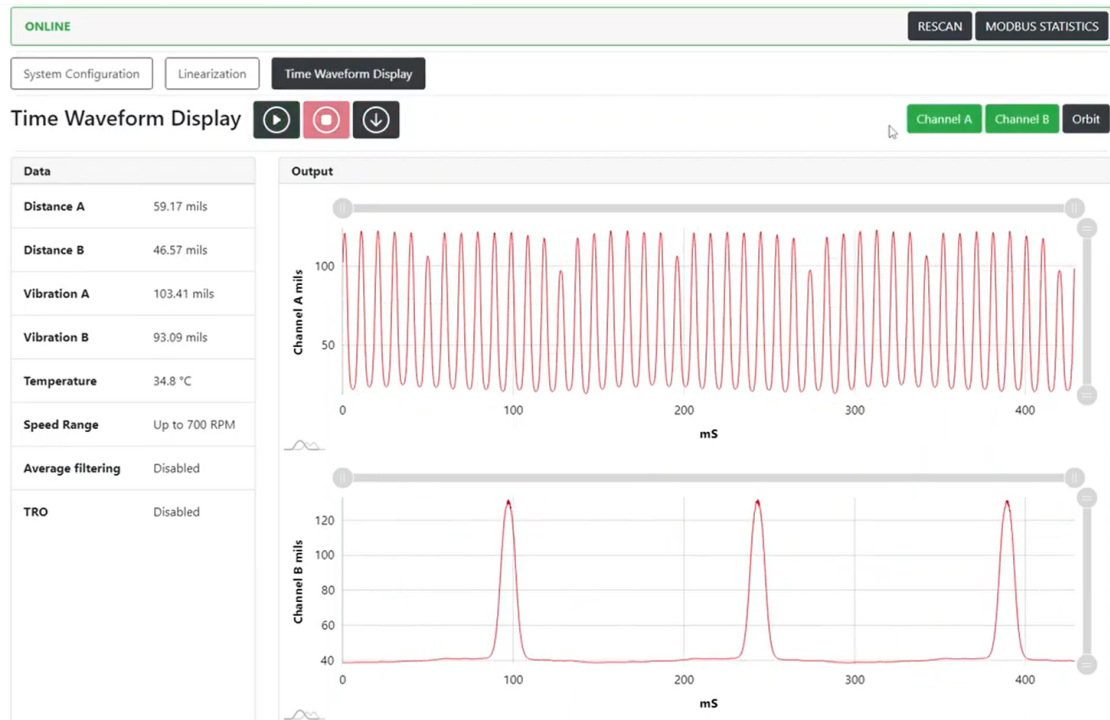
Starting the Live Waveform and Orbit

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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