

LMI X-Series Gauge Suite

Wireless BLE Gauges

June 2026

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Thank you for your interest in LMI X-Series Fixture Gauges. All X-Series gauges:

- Utilize BLE wireless technology to achieve long battery life between charges and a 25-meter operational range when paired with the included LMI BLE dongle.
- Include the required USB dongle for wireless communication to a PC running data collection software.
- Include a USB-C to USB-A charging and data transmission cable.

Warranty

LMI *hardware* is warranted by LMI against defects in materials and workmanship for 12 months from the date of original purchase. If ownership is transferred, the warranty remains in effect for the original 12-month period. During the warranty period LMI will repair or, at our option, replace at no charge any product deemed defective, provided it is returned, shipping prepaid, to LMI.

LMI *software* and *firmware* are warranted by LMI against defects in materials and workmanship for 60 days from the original purchase date, provided the software and firmware are used in accordance with published or other written specifications prepared, approved, and issued by LMI and when used with specifically identified hardware. LMI makes no representation or warranty, express or implied, that the operation of the software or firmware will be uninterrupted or free of errors, or that functions contained in the software or firmware will meet or satisfy the Distributor's intended use or license agreement or LMI's extended support agreement. Software and firmware corrections are warranted for a period of 30 days from the date shipped by LMI or the remainder of the original warranty term, whichever is longer. If ownership is transferred, the warranty remains in effect for the new owner for the original 60-day period.

If ownership is transferred, the warranty is automatically transferred to the new owner and remains in effect for the original 60-day period.

LMI *interface* accessories such as cords and connectors are warranted by LMI against materials and workmanship defects for 30 days from the original purchase date. Repaired or replaced cords or connectors are warranted for 30 days from the date of shipment by LMI.

This warranty does not apply if the product has been damaged by accident, misuse, or because of service or modification by other than LMI, or by hardware, software, interfacing or peripherals not provided by LMI.

This is your warranty.

Please retain this document for your records.

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Support

LMI Customer Service and Technical Support can be reached at **810-714-5811** Monday through Friday between 8:00 a.m. and 5:00 p.m. Eastern Standard Time. Support can also be reached via email at customerservice@lmicorporation.com or techsupport@lmicorporation.com.

Customer Service

Contact LMI Customer Service to:

- Request quotations
- Inquire about the status of an order or repair
- Return LMI equipment for service
- Upgrade LMI equipment

LMI On-Site Training & Phone Support

LMI Technical Support can provide on-site training or phone support for LMI equipment and support software. Contact LMI Customer Service for pricing and scheduling information.

Contact LMI Technical Support to:

- Assist in installing and configuring LMI equipment
- Help setup and configure gauges, multiplexers, and accessories
- Troubleshoot LMI equipment or LMI support software

Returns for Service

To expedite your service order:

- Contact Customer Service to obtain a Return Materials Authorization (RMA) number.
- Complete the RMA form provided and return the form, along with the unit, to LMI's repair department at the following address:

LMI Corporation
Attn: Repair Department
101 N. Alloy Dr.
Fenton, MI USA 48430

- Pack the equipment properly, using the original shipping container if possible. LMI cannot assume responsibility for damage caused in shipping and/or by improper packaging.
- LMI will evaluate the unit and supply an evaluation and quotation for the necessary repairs.
- Upon receipt of a purchase order, LMI will repair and return the unit.

200X Series Probe Overview

Whether using a 200X-SB-31, 200X-SB-50, 200X-SF-31, or 200X-SF-50 the following features are common among both probes except where noted. The 200X features:

- A bright OLED display screen.
- Two function buttons (primary is green, secondary is blue).
- An internal rechargeable li-ion battery that allows the probe to transmit approximately 150,000 readings during more than 70 hours of continuous use.
- A USB-C charging port with a recharge time of approximately 3 hours.
- A tolerance mode that turns the gauge into a standalone digital indicator.
- Additional setup options that can be accessed through the X-Utility Suite software.



Button Commands (lock/unlock, screen flip, zero function)	
Turn the 200X on; send a reading.	Press and release the primary (green) button.
Flip the screen orientation.	Press and hold the secondary button (blue) for three seconds when Auto-flip is turned off. When Auto-flip is turned on, the display will flip based on spatial orientation.
Zero-gauge reading.	While pressing and holding primary button, press and release the secondary button.
Lock/Unlock Gauge Settings.	Press and hold both buttons simultaneously for five seconds.
Turn the 200X off.	Press and hold the secondary button for three seconds, then – while continuing to hold down the secondary button – press the primary button.

Tolerance Mode

Unique to the 200X is a “Tolerance Mode” which allows the user to enter an acceptable range of deviation from 0. When a reading falls within the selected tolerance band, a checkmark will appear on the 200X display indicating a passing part. If the reading is high or low of the tolerance band, a triangle pointing up or down will indicate whether the measurement is high or low of the given band. This allows the 200X to be used as a quick Go/No Go check for operators not using the probe for electronic data collection. See page 13 for setup information.

241X Series Flush and Gap Gauge Overview

Whether you have a 241X- or 241X-B, the following features are common among both gauges except where noted. Let's look at the hardware features of the gauge. The 241X Series gauges feature:

- A bright OLED display screen.
- Two function buttons (primary is green, secondary is blue).
- An internal rechargeable li-ion battery that allows the probe to transmit approximately 150,000 readings during more than 70 hours of continuous use.
- A USB-C charging port with a recharge time of approximately 3 hours.
- Additional setup options that can be accessed through connection to the X-Utility Suite software.



Button Commands (lock/unlock, screen flip, zero function)	
Turn the 241X on; send a reading.	Press and release the primary (green) button.
Flip the screen orientation.	Press and hold the secondary button (blue) for three seconds when Auto-flip is turned off. When Auto-flip is turned on, the display will flip based on spatial orientation.
Zero-gauge reading.	While pressing and holding the primary button, press and release the secondary button. Note: This re-zeros both flush and gap.
Lock/Unlock Gauge Settings.	Press and hold both buttons for five seconds.
Turn the 241X off.	Press and hold the secondary button for three seconds, then – while continuing to hold down the secondary button – press the primary button.

See pages 11-14 for additional features that can be accessed through the LMI X-Utility software

TPX Series True Position Probe Overview

Whether you have a TP107X (1.25" diameter shaft, 6mm span) or TP108X (1" diameter shaft, 3mm span) True Position probe, the following features are common among both models except where noted. The TPX Series probes feature:



- A bright OLED display screen.
- Two function buttons (primary is green, secondary is blue).
- An internal rechargeable li-ion battery that allows the probe to transmit approximately 150,000 readings during more than 70 hours of continuous use.
- A USB-C charging port with a recharge time of approximately 3 hours.
- Additional setup options that can be accessed through connection to the X-Utility Suite software.

Button Commands (lock/unlock, screen flip, zero function)	
Turn the TPX on; send a reading.	Press and release the primary (green) button.
Flip the screen orientation.	Press and hold the secondary button (blue) for three seconds when Auto-flip is turned off. When Auto-flip is turned on, the display will flip based on spatial orientation.
Zero-gauge reading.	While pressing and holding the primary button, press and release the secondary button. Note: This re-zeros both axes.
Lock/Unlock Gauge Settings.	Press and hold both buttons for five seconds.
Turn the TPX off.	Press and hold the secondary button for three seconds, then – while continuing to hold down the secondary button – press the primary button.

Additional features and settings for the TP X-series probes can be accessed through the LMI X-Utility software. See pages 11-14 for more information.

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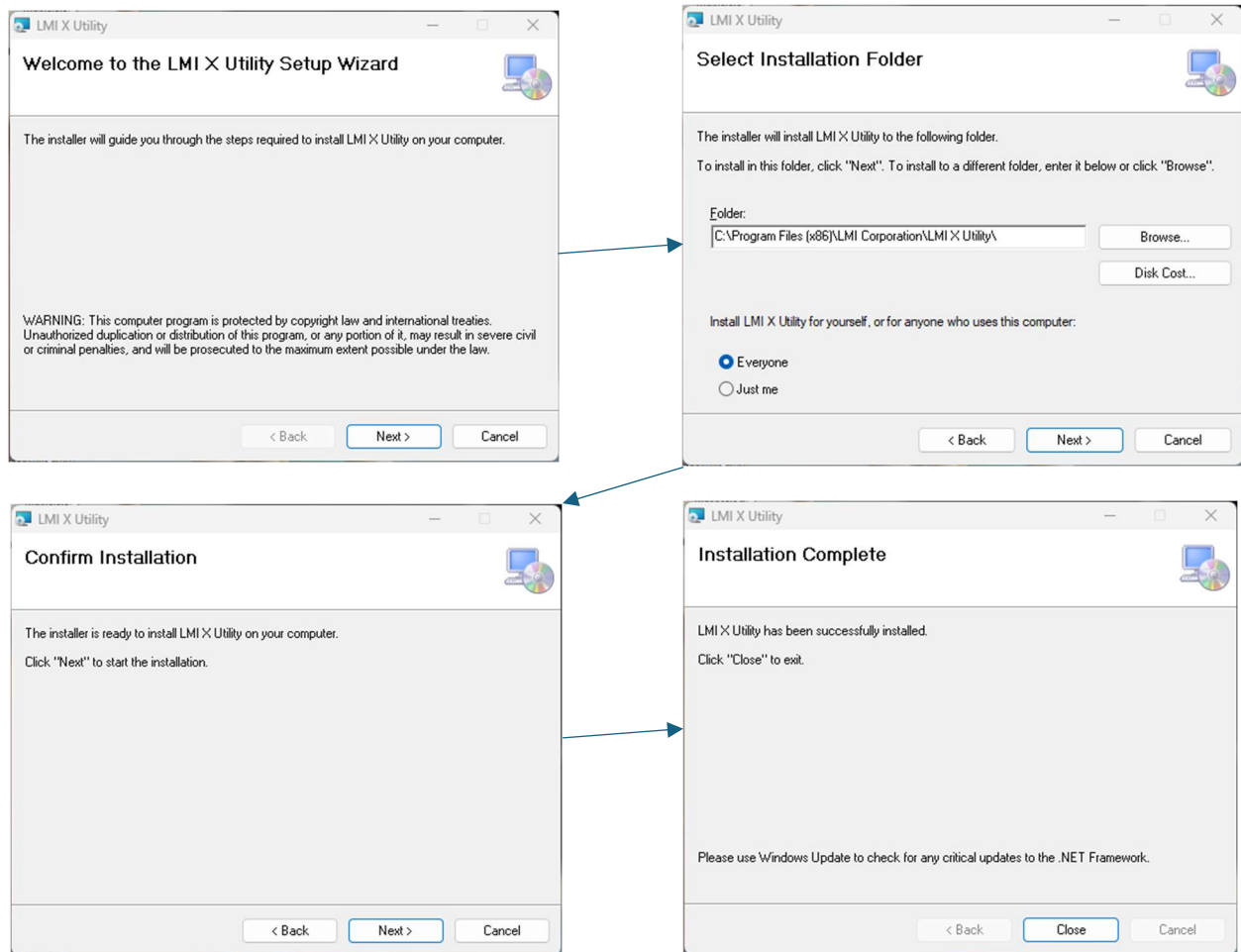
Should you have any questions concerning this Agreement, you may contact LMI Corporation by writing to:

LMI Corporation
101 N. Alloy Dr
Fenton, Michigan 48430

X-Utility Software Installation

X-Utility Software is compatible with Windows 10 and Windows 11 operating systems running with a minimum 6th generation i5 processor and at least 8GB of RAM.

Double-click on the *XU Installer Files.msi* or *setup.exe* file found on the X-Utility USB flash drive and follow the prompts to complete the installation.



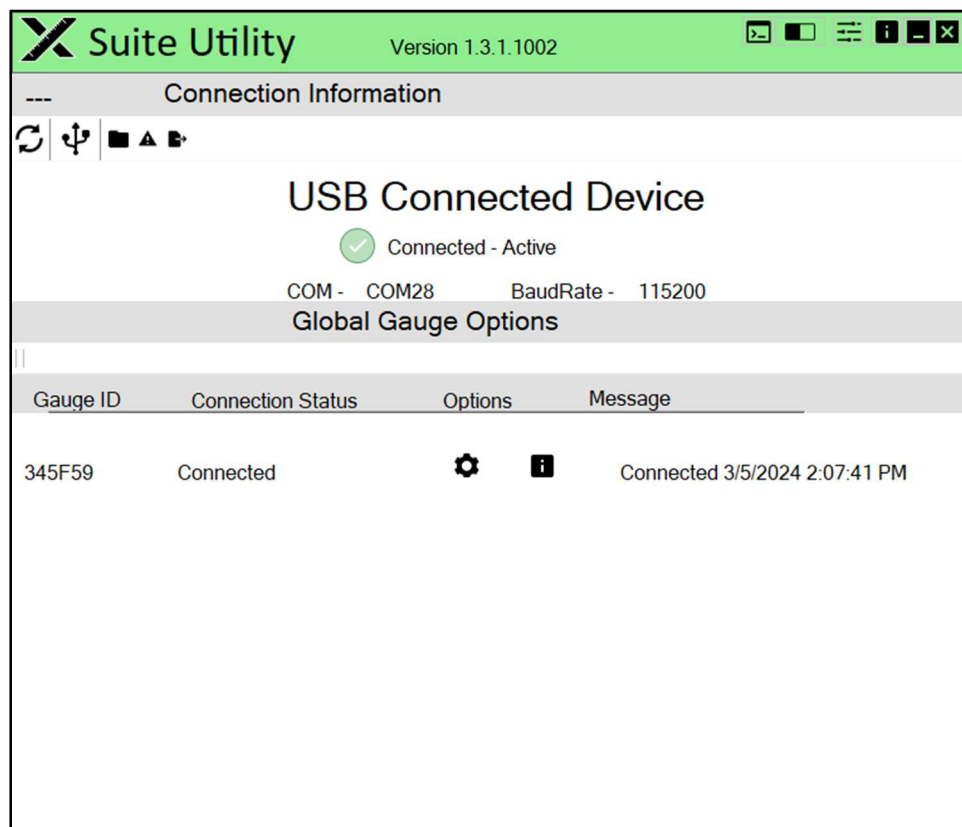
X-Series Gauge Setup through the LMI X-Utility Software

The X-Utility software allows the user to access all parameters of the X-series gauges.

To begin the setup procedure, plug in the probe to the computer via the included USB-C cable, turn on the probe, and then double-click on the X-Utility icon to start the software.

Note: The USB dongle should NOT be plugged in while using the USB cable to communicate with X-Utility.

The following screen should appear:



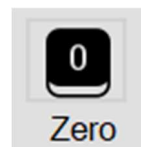
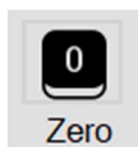
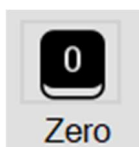
To access the gauge settings, click on the gear icon (). You will then see three tabs on the left-hand side of the window: Gauge Information, Gauge Settings, and Gauge Readings.

Gauge Information

Gauge Information Gauge Settings	Gauge Information	
	Gauge Model	SGX
	Gauge Label	*****
	Gauge Units	m
	Gauge Diagnostics	
	Battery Level	78 %
	Date Time	02-04-2025 09:47
	Live Readings	
	19.94	
	 Zero	

From this window, the user can see additional information about the gauge, view a real-time readings graph, and zero out the probe.

Unlike LMI's previous W series gauges, X series gauges have a one-step zeroing process. To zero out a gauge, place it in the master block and press the Zero button.



Gauge Settings

The screenshot shows a software window titled 'Gauge Settings'. On the left is a sidebar with 'Gauge Information' and 'Gauge Settings' (highlighted with a red box). The main area is divided into three sections, each with an upward arrow icon in the top right corner:

- Gauge Display:** Contains 'Screen Auto Flip' (checkbox, unchecked), 'Units (in/mm)' (dropdown menu showing 'Millimeters'), and 'Invert Background' (checkbox, unchecked).
- Gauge Settings:** Contains 'Gauge Label' (text field with '*****'), 'Auto Sleep' (checkbox, checked), 'Sleep' (dropdown menu showing '5' followed by '(mins)'), 'Offset' (text field with '0'), 'Zero Lock' (checkbox, unchecked), and 'Zero' (checkbox, unchecked).
- Gauge Communication:** Contains 'Gauge Serial' (checkbox, checked) and 'EOL Packet' (dropdown menu showing 'CR').

The Gauge Settings window allows the user to update the Gauge Display, Gauge Settings, and Gauge Communications.

Gauge Display:

Screen Auto Flip – Toggles auto flip on or off. If turned on, the screen will rotate depending on the orientation of the probe.

Units – Allows the user to choose between mm and inches.

Invert Background – Inverts the background screen of the probe, changing from white lettering on a black background to black lettering on a white background.

Gauge Settings:

Gauge Label – Allows the user to enter a six-digit identifier “name” (e.g. – *BIWENG* for Body-in-White Engineering).

Auto Sleep – If activated, the probe will turn off after *n* minutes, where *n* is between 1-10 minutes. This time is selected from the Sleep drop-down menu.

Tolerance (200X Probe only) – If checked, Tolerance mode will be turned on and the user will see the checkmark, up arrow, and down arrow on the display of the gauge as they retract the plunger.

Limit (HI) / Limit (LO) – Sets the tolerance band if Tolerance is checked on.

Zero Lock – Removes the ability to zero out the probe by physical button combination.

Time Out – If Auto Sleep is turned on, this field sets the number of minutes the gauge will remain on if left untouched. The range is from 1 to 10 minutes.

Offset – Adds or subtracts a constant value from the reading of the probe.

Zero – Will update the zero position on the gauge/probe if checked and then uploaded. For the 241X and TPX series gauges, this field will allow the user to update one or both measurement directions – Flush and/or Gap for the 241X and the A Axis and/or B Axis for the TPX.

Polarity (+/-) – Changes the direction of the measurements as the plunger is retracted. By default, this is set to - (minus), meaning that when the probe is fully extended, the reading will be negative, going to positive as the plunger is retracted.

Gauge Settings:

Gauge Serial – If checked, the Gauge ID will be sent after the reading(s). A comma will separate the reading from the Gauge ID. This must be checked if using the gauge with LMI's Universal Gauge Interface software.

EOL Packet – Determines what End of Line Packet will follow the reading(s) or Gauge ID. Carriage Return (CR) is set as the default.

Universal Gauge Interface Software Installation

Universal Gauge Interface (UGI) is LMI's flagship data collection software that provides the user with graphically driven interface and easily customizable output. The following sections will cover software installation and basic partfile setup.

Note: If the PC has not had UGI previously installed on it, you must first activate .NET on Windows 10 and 11 PCs (instructions below) and then install the #J RDP which can be found on the included UGI USB drive. After the #J RDP is installed, double-click on either the **UGI Install.msi** or **setup.exe** and follow the prompts.

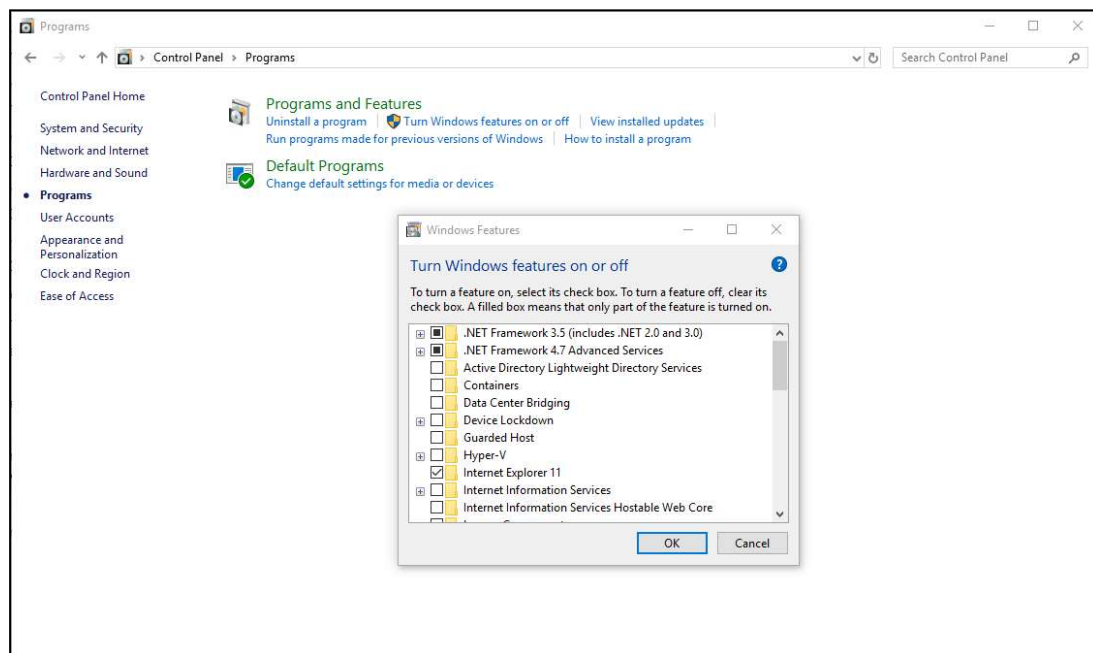
Permissions:

- Administrative rights are required to complete installation.
- All users need Read/Write permissions for the C:\Program Data\LMI Corporation folder and all subfolders.

Activating .NET on Windows 10 and Windows 11

Enable .NET 3.5 on Windows 10:

- Open the Windows 10/11 Control Panel.
- Navigate to **Control Panel > Programs > Turn Windows features on or off**.
- Click on the box next to **.NET Framework 3.5 (includes .NET 2.0 and 3.0)**.
- If the computer prompts a restart, restart the computer.



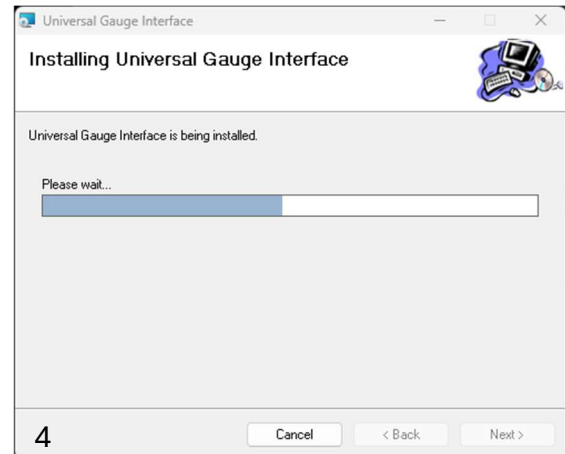
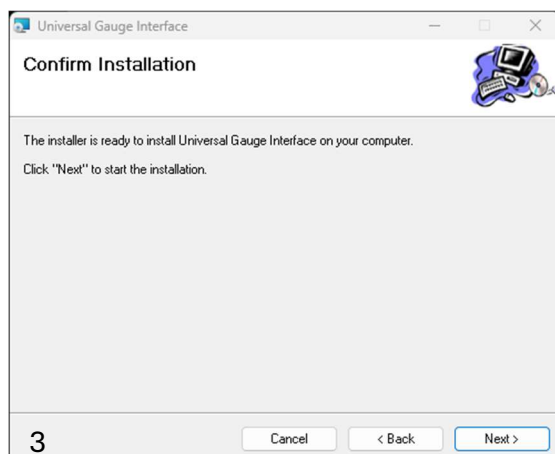
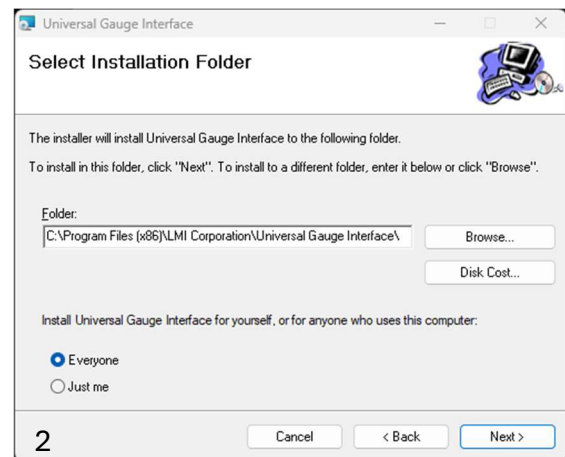
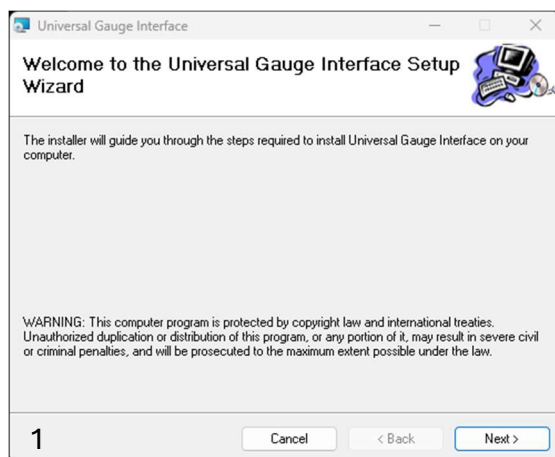
Installing the #J RDP

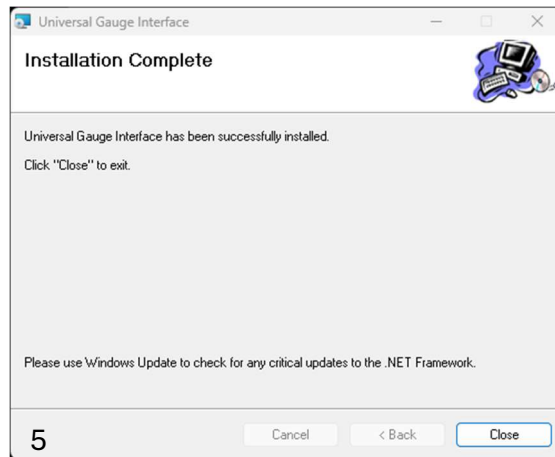
- The library is located on the thumb drive you received with your copy of Universal Gauge Interface.
- Double-click and follow the install prompts.

Installing the UGI Software

dotnetfx	1/14/2022 4:34 PM	File folder	
VJSharpRDP	1/14/2022 4:34 PM	File folder	
Enabling .NET Windows 10	9/9/2020 10:57 AM	Microsoft Word D...	181 KB
READ ME IF UPDATING	5/4/2020 1:01 PM	Text Document	1 KB
setup	5/7/2020 1:38 PM	Application	482 KB
UGI Install	5/7/2020 1:38 PM	Windows Installer ...	11,769 KB
UGI v6 Manual	9/29/2021 10:21 AM	Microsoft Edge P...	5,199 KB

- Double Click the Windows Installer.
- Click Yes when the message comes up asking *Do you want to allow this app from an unknown publisher to make changes to your device?*





Once UGI is installed, simply double-click on the UGI icon on the desktop to start the software.

Pairing Multiple Gauges to One Dongle

If multiple LMI X-Series Gauges will be used with UGI or any data collection software, it is beneficial to pair all gauges to one dongle. Up to eight gauges can be connected at one time. To do this, connect the dongle to the PC and be sure to turn off all gauges except the one you wish to pair and follow the instructions below:

1. The X-Utility installer can be found online or at www.lmicorporation.com.

Follow the prompts issued by the installer and then double-click on the icon once installed to open the program.



2. Click on the blue box labeled with the white + sign under Global Gauge Options:



A message will appear saying that *the next gauge to advertise will be added to the dongle whitelist...* Click on OK to clear the message.

3. Press the Green button on the X-Gauge to be paired with the dongle and wait for the connection icon to appear in the upper left-hand corner of the gauge display and the Gauge ID/Connection Status to appear in the software window.







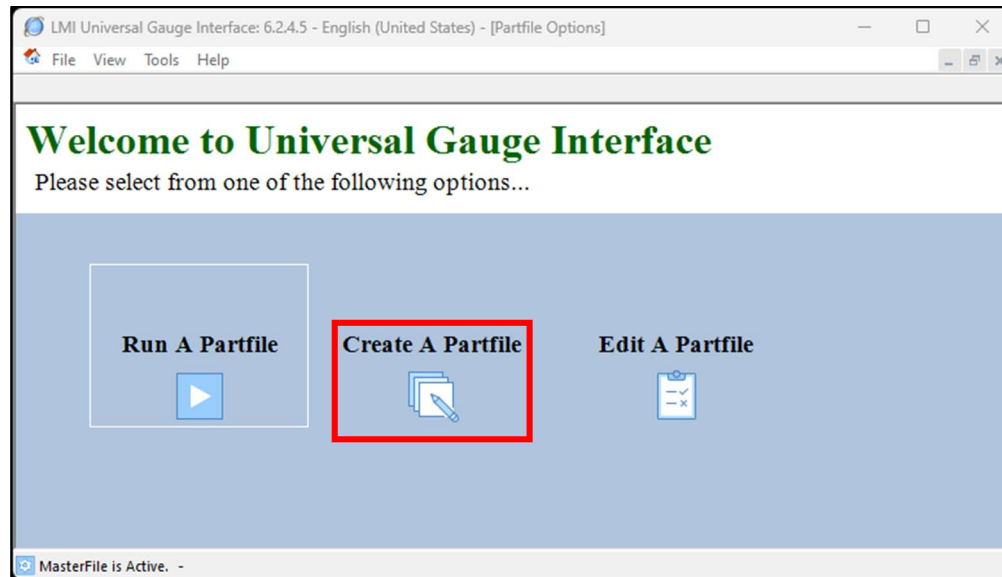
Gauge ID	Connection Status	Options	Message
F4DDB7	Paired	  	
98F86C	Connected		

4. Press the black X in the upper right-hand corner of the window to close the software and put the gauge to sleep.



Setting up a UGI Partfile for use with X-Gauges

Before starting UGI, plug the dongle into a USB port on the PC. Double-click the UGI icon and select **Create A Partfile** from the UGI Welcome Page.



There are five required steps that the user must complete to run a partfile successfully:

- Partfile Name and Save
- Partfile Gauges
- Partfile Graphics
- Partfile Inputs
- Partfile Exports

On the Partfile Name and Save page, the user **must** give the partfile a name and then a location where the .ugi file will be saved. LMI recommends leaving the partfiles in the default folder (C:\Program Data\LMI Corporation\Partfiles) which can be accomplished by simply clicking the Browse button and then the Okay button. The user also has the option to provide a description of the partfile, which can include model and/or program code, year of manufacture, location, build version of UGI, etc. The user can also add work instructions that will open alongside the partfile when it is opened.

LMI Universal Gauge Interface: 6.2.4.5 - English (United States) - [Partfile - Create A New Partfile]

File View Tools Help

Finish Back Forward

Navigation

Required Steps:
Partfile Name and Save
Partfile Gauges
Partfile Graphics
Partfile Inputs
Partfile Exports

Optional Steps:
Summary Screen
Sequence Editor

Partfile Name:

Partfile Description:

Creation Date: 9/27/2023 Modify Date: 9/27/2023

Partfile Location:

☐ Associate Part File Work Instruction:

[Show Advance Options >>](#)

Once you've given the partfile a name, click on the Forward button to advance to Partfile Gauges.

LMI Universal Gauge Interface: 6.2.4.11 - English (United States) - [Gauges - Editing Simple 241X and 200W]

File View Tools Help

Finish Back Forward Cut Copy Paste Insert Delete Save File

Navigation

Required Steps:
Partfile Name and Save
Partfile Gauges
Partfile Graphics
Partfile Inputs
Partfile Exports

Optional Steps:
Summary Screen
Sequence Editor

Gauge Options
Change Password
Component Order
Gauge Type Setup
COM Port Setup
Mux COM ReAlign

Number of Gauge Points: 22

	Characteristic	WGID	Component	Gauge Type	Association	Calculation	Mux Port	COM Port
1	SPC 1	3A86C6	A	200X			N/A	3
2	SPC 2	3A86C6	A	200X			N/A	3
3	SPC 3	3A86C6	A	200X			N/A	3
4	SPC 4	3A86C6	A	200X			N/A	3
5	SPC 5	3A86C6	A	200X			N/A	3
6	SPC 6x	3A86C6	A	200X			N/A	3
7	SPC 7x	3A86C6	A	200X			N/A	3
8	241X F1	BDD518	B	241X Flush	Row 9		N/A	3
9	241X G1	BDD518	B	241X Gap	Row 8		N/A	3
10	241X F2	BDD518	B	241X Flush	Row 11		N/A	3
11	241X G2	BDD518	B	241X Gap	Row 10		N/A	3
12	241X F3	BDD518	B	241X Flush	Row 13		N/A	3
13	241X G3	BDD518	B	241X Gap	Row 12		N/A	3
14	241X F4	BDD518	B	241X Flush	Row 15		N/A	3
15	241X G4	BDD518	B	241X Gap	Row 14		N/A	3
16	241X F5	BDD518	B	241X Flush	Row 17		N/A	3
17	241X G5	BDD518	B	241X Gap	Row 16		N/A	3
18	SPC 6	L01472	C				N/A	6
19	SPC 7	L01472	C				N/A	6
20	SPC 8	L01472	C				N/A	6
21	SPC 9	L01472	C				N/A	6
22	SPC 10	L01472	C				N/A	6

Gauge Type Setup
Select the Gauge Type that you would like
5200/5300
G-200
G-Force-1
G-Force-2
G-Force-All
G-Force-High
G-Force-Low
200X
241X Flush
241X Gap
TPX A Axis
TPX B Axis

In the Partfile Gauges page, the user will set up how many points will be measured, what component the points will appear on, and the spec limits for each point. Begin by typing in

the number of measurement points into the Number of Gage Points box and press Enter on the keyboard. This will create an Excel-like grid where each row represents one measurement. **Note that if you have a True Position or 241 gauge, you'll need two lines for each measurement to capture both A and B axes or flush and gap directions, respectively.**

Characteristic: Short descriptive name of each point.

Description: Place the Gauge ID of the gauge that will be used to measure the point in this box.

Component: Allows “subsections” of the partfile to appear on different screens. For example, the user could have 241X measurement points assigned to one graphic while having 200X measurement points assigned to a different graphic on a different screen.

Gauge Type: Choose the correct gauge type – 200X, 241X, or TPX for the measurement. In this example, a 241X is used; 241X Flush for all flush measurement points and 241X Gap for all gap measurement points.

Association: Used to bind 241 flush and gap results together or True Position A and B results together. As shown in the screenshot on the previous page, the user has selected Row 9 for the eighth row and Row 8 for the ninth row. This means that one button push on the gauge will capture both readings.

Calculation: Used to perform basic calculations between rows.

Mux Port: N/A. Used only with LMI AutoGage products.

Com Port: Selects which USB port is used for communication with the assigned row. **IMPORTANT:** If you are using the 241X with another gauge that utilizes the MicroRidge Mobile Collect USB Base, you will need to assign the appropriate COM ports to both the 241X Flush and 241X Gap rows.

Span: N/A. The spans on X-series gauges are set internally.

Offset: Adds/subtracts a constant number to/from the reading.

USL and LSL: Upper and Lower Specification Limits determine what is passing. Any reading that falls within these limits will be green if the UCL and LCL are the same as the USL and LSL. If the UCL and LCL are different, the reading box could be marked as yellow if the reading falls between the USL and UCL or LSL and LCL.

UCL and LCL: Upper and Lower Cautionary specifications can be set within the USL and LSL boundaries. These are readings that still pass but have a yellow reading box if the recorded value falls in between the UCL and USL and LSL and LCL, respectively.

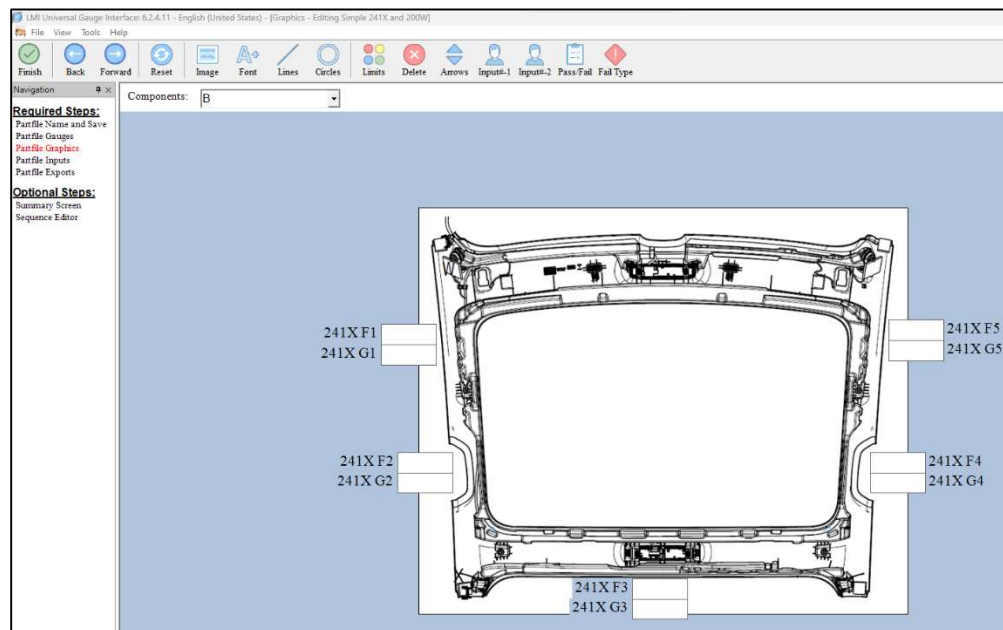
HR and LR: Outer boundary for readings. This is for reasons so far out from the expected value that the box will turn blue to denote an issue with the measurement.

Invert Sign: Takes a positive value and makes it a negative value and vice versa.

Active: Determines if the point will be measured in the routine.

Frequency: N/A. Used only with LMI AutoGage products.

Once all the rows have been completed, click on the Forward button to advance to the **Partfile Graphics** page. This page will allow the user to add an image to each component, as well as change the characteristic box location and font size. Click on the Image button to add a “roadmap” picture for the operator. Double-clicking on the image will place a thin black border around the image. When the black border is around the image, it can be moved and resized to best fit the window. The characteristic boxes can be moved in a similar fashion – clicking and dragging on a box allows the user to position the box on or close to the measurement point shown in the graphic.



Above is an example of a completed graphic.

Once the graphic and boxes are positioned, click on Forward to advance to the **Partfile Inputs** page. Part Inputs are non-measurement trace data that can be appended to the

data export. Enter a name for the field (as shown below) and click on Add in the lower right-hand corner of the window. Click on Forward when finished.

LMI Universal Gauge Interface: 6.2.4.5 - English (United States) - [Inputs - Create A New Partfile]

File View Tools Help

Finish Back Forward

Navigation

Required Steps:
 Partfile Name and Save
 Partfile Gauges
 Partfile Graphics
 Partfile Inputs
 Partfile Exports

Optional Steps:
 Summary Screen
 Sequence Editor

Subgroup Inputs **Part Inputs**

Input Name...
 Operator Badge Number

Data Types... String ☐ **Auto-Enter**

Minimum Character 1 **Maximum Character** 7

☒ Ask for Inputs BEFORE data is taken on a part
☐ Ask for Inputs AFTER data is taken on a part
☐ Ask for Inputs on SUMMARY Screen

Add Delete Update

The **Partfile Exports** page is where the user sets up the data output format for the partfile. The example below shows a basic .CSV file that can be opened with Excel.

LMI Universal Gauge Interface: 6.2.4.5 - English (United States) - [Exports - Create A New Partfile]

File View Tools Help

Finish Back Forward

Navigation

Required Steps:
 Partfile Name and Save
 Partfile Gauges
 Partfile Graphics
 Partfile Inputs
 Partfile Exports

Optional Steps:
 Summary Screen
 Sequence Editor

Export Location... C:\ProgramData\LMI Corporation\Partfiles **Export Name...** BCC M66 Cradle Data **Export Extension...** .CSV

Line Information...
 Fixed Label Field Delimiter {COMMA}

☐ Append Date to File ☐ Append Calibration Values
☐ Export Unique File ☐ Export Only Valid Data
☐ Append Month to File ☐ Save Copy of File
☐ Export Unique VIN

Information	Delimiter
Fixed Label - Time	{COMMA}
Fixed Label - Operator Badge Number	{COMMA}
Field - All Characteristics	{COMMA}
Field - <End Header>	{COMMA}
Field - Date	{COMMA}
Field - Time	{COMMA}
Field - Input - Operator Badge Number	{COMMA}
Field - All Readings	{COMMA}

Export View...
 Date, Time, Operator Badge Number, Characteristics 1, Characteristics 2, Characteristics 3, Characteristics 4, Characteristics 5, Characteristics 6, Characteristics 7, Characteristics 8, Characteristics 9, Characteristics 10,
 Date, Time, Input - Operator Badge Number, Readings 1, Readings 2, Readings 3, Readings 4, Readings 5, Readings 6, Readings 7, Readings 8, Readings 9, Readings 10

Added Exports
 Add Export Update Export Delete Export

☐ Automatically Write Data

Export Location, Name, and Extension – Users will give the export a name, extension, and storage location. Click on the ellipsis to navigate to the location where you want the export

data stored. By default, the storage location is C:\Program Data\LMI Corporation\Partfiles; however, the user can choose to store the data anywhere on the PC or network as long as admin read/write privileges have been granted to that location. Give the export a name in the **Export Name...** field. **Export Extension...** will be attached to the end of the **Export Name...** and can be any three or four alphabetical characters preceded by a period. If choosing something other than .CSV or .XLS (or other Excel extension), you will need to tell your computer what program to use to open the file.

Export Attributes – Export attributes are the items that you wish to see on the data export file. Just about any field in UGI can be added to the export.

Fixed Label – Anything input as a Fixed Label will be static in the export, such as header information. Type the name of the attribute in the white box.

Field – Most of the items in the Field dropdown are dynamic, such as readings, trace input data, and date/time. Trace input data (set up on the Partfile Input page) will be prefixed with the word INPUT (e.g. – INPUT – Operator ID)

Delimiter – The delimiter is what separates each field and fixed label from one another. If you are using .CSV as your export, your primary delimiter should be a comma. If you are using any type of Excel-specific extension (.XLS, .XLM, .XLSX), use tab as your primary delimiter.

Append Date to File – Adds the date to end of Export Name.

Append Month to File – Adds the month to the end of the Export Name, which allows for a new data file to be created each month.

Export Unique File – Adds the Julian date to the end of the Export Name based off the “system time” on the PC.

Export Only Valid Data – Will only write data to the file if all fields have been entered during the data collection process.

Example Export Setup

1. Click in the white box below **Fixed Label** and type the word *Date*, then click the **Add Line Item** button. *Fixed Label - Date* will appear in the Information list.
2. Repeat this process for the words *Time*, *Operator Initials*, and *Shift*.
3. Click on the drop-down menu below **Field**. Using the down arrow on the menu, scroll until you see *All Characteristics*. Click on this and then **Add Line Item**.
4. Click on the drop-down menu below Field, scroll up, and click on *<Start Header>*. Click **Add Line Item**.

5. From the list in the Information window, click on *Field - <Start Header>*. Once highlighted, use the up arrow on the right-hand side of the screen to move the *Field - <Start Header>* to the top of the list. Anything that appears between the *Field - <Start Header>* and *Field <End Header>* will be static. This will be the first row of the Excel sheet.
6. From the drop-down menu, select and **Add Line Item** to the following fields: *Date*, *Time*, *Input – Operator*, *Input – Shift*, and *All Readings*. These items are dynamic, meaning that this is the actual data that will be collected when running the part file. These fields should be in the same top-down order that the header information is in so that each column lines up correctly with each row of collected data.

After you have finished saving your export, click on the *Finish* button in the upper left-hand corner of the window and click *YES* to save your partfile.

To run the partfile, click on the **Run A Partfile** button and select the partfile from the window. Press the Run button.

