

IQI Series Tool Calibration

1. Go to System Maintenance->Tool Calibration.

The screenshot shows the 'Tool Calibration' interface. At the top, there are input fields for 'Tool Type' (Transducerized), 'Tool Serial Number' (699C887A), 'Torque Range' (0.50 - 2.50), and 'Select Unit' (Nm). Below these is a section titled 'Factory Default Calibration Factor (CF)' containing a table with 10 rows of calibration points. The table has columns for 'Calibration Point', 'Factory Torque', and 'User Torque'. The 'Calibration Point' column lists values from 0.50 Nm to 2.50 Nm. The 'Factory Torque' column lists corresponding values from 0.64 to 6.23. The 'User Torque' column is empty. At the bottom, there is a 'Calibration Summary' section and a 'Start' button.

Calibration Point	Factory Torque	User Torque
0.50 Nm	0.64	-
0.75 Nm	1.27	-
0.94 Nm	1.87	-
1.17 Nm	2.54	-
1.59 Nm	3.21	-
1.81 Nm	3.83	-
1.83 Nm	4.49	-
2.06 Nm	5.05	-
2.28 Nm	5.65	-
2.50 Nm	6.23	-

2. Click on the Start Button.

This screenshot shows the same 'Tool Calibration' interface as the previous one, but with a warning dialog box overlaid in the center. The dialog box has a red exclamation mark icon and the title 'Warning'. The text inside asks 'Do you want to change to 3 point calibration?'. There are two buttons: 'No' and 'Yes'. The 'Yes' button is highlighted in blue. The background interface is dimmed.

3. Click on the Yes button for 3-point calibration. Note: For Current Controlled tools it will be a 10-point calibration.

Tool Calibration
Home > Tool Calibration

Tool Type: Transducerless

Tool Serial Number: 699C307A

Torque Range: 0.50 - 250

Select Unit: Nm

Factory Default Calibration Factor (CF)

Calibration Point	Factory Torque	User Torque
0.50 Nm	0.64	-
1.50 Nm	1.87	-
2.50 Nm	2.54	-

Calibration Summary

Set Cancel Factory Reset

4. Click on 0.50 Nm.

Tool Calibration
Home > Tool Calibration > Part 1

Speed: 5.00 RPM

Torque: 0.50 Nm

Cycle# Torque From Tool Measured Torque

Resultant CF Value

Start

5. Click the Start button.

6. Run a cycle and enter the external reading.

The screenshot shows the 'Tool Calibration' interface. A modal dialog titled 'Enter Value' is open, allowing the user to input 'Torque From Tool' (0.76) and 'Measured Torque' (0.72). The background interface includes a sidebar with navigation icons, a top bar with 'Tool Calibration' and 'Part 1', and a main area with input fields for 'Speed' and 'Torque', and a table for recording calibration cycles. The 'Resultant CF Value' is displayed at the bottom.

Cycle#	Torque From Tool	Measured Torque
1	0.76	0.72

7. Select Enter to save the reading.

8. Run the desired number of cycles (minimum of 5) and select Finish.

The screenshot shows the 'Tool Calibration' interface after 5 cycles. A 'Warning' dialog box is open, asking 'Are you sure you want to complete the calibration?'. The background interface shows the 'Speed' and 'Torque' input fields, and a table with 5 rows of calibration data. The 'Resultant CF Value' is displayed as 2713.71. The 'Finish' button is visible in the top right corner.

Cycle#	Torque From Tool	Measured Torque
1	0.79	0.85
2	0.80	0.84
3	0.83	0.84
4	0.79	0.81
5	0.84	0.85

9. Select Yes.

The screenshot shows the 'Tool Calibration' screen. At the top, there's a header with a menu icon and a back arrow. Below the header, there are four input fields: 'Tool Type' (Transducerized), 'Tool Serial Number' (65ACB7A), 'Torque Range' (0.50 - 2.50), and 'Select Unit' (Nm). Below these fields is a section titled 'Factory Default Calibration Factor (CF)' which contains a table with three columns: 'Calibration Point', 'Factory Torque', and 'User Torque'. The table has three rows, each with a button next to the 'Calibration Point' column. The first row has a green button labeled '0.50 Nm'. The second row has a blue button labeled '1.50 Nm'. The third row has a blue button labeled '2.50 Nm'. Below the table is a 'Calibration Summary' section with a right arrow icon.

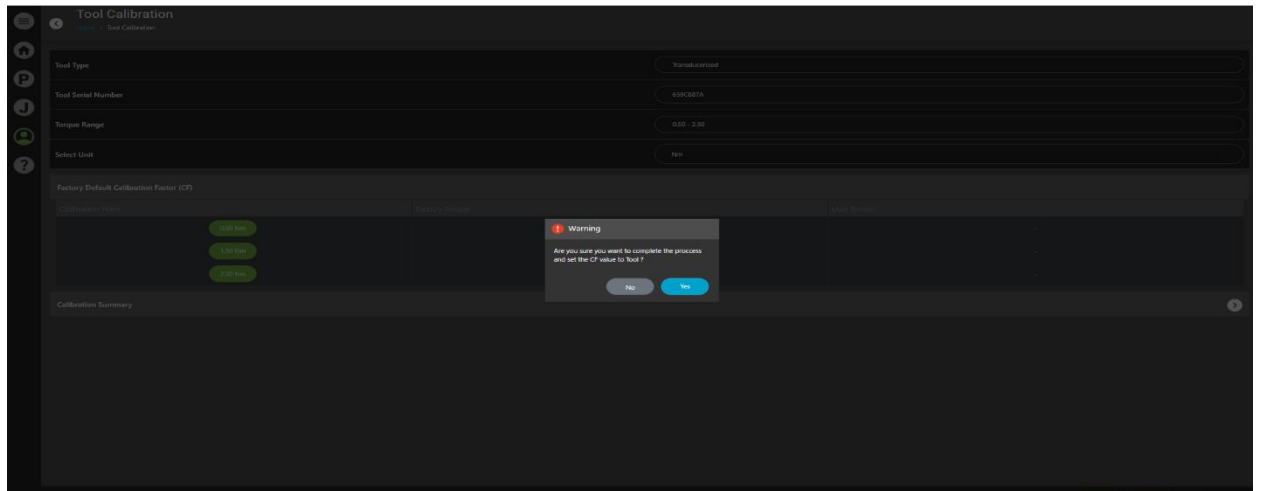
Calibration Point	Factory Torque	User Torque
0.50 Nm	0.64	-
1.50 Nm	1.87	-
2.50 Nm	2.54	-

10. Do the same for the other 2 calibration points.

This screenshot is identical to the previous one, but with the additional buttons for '1.50 Nm' and '2.50 Nm' in the 'Calibration Point' column now highlighted in green, indicating they have been selected.

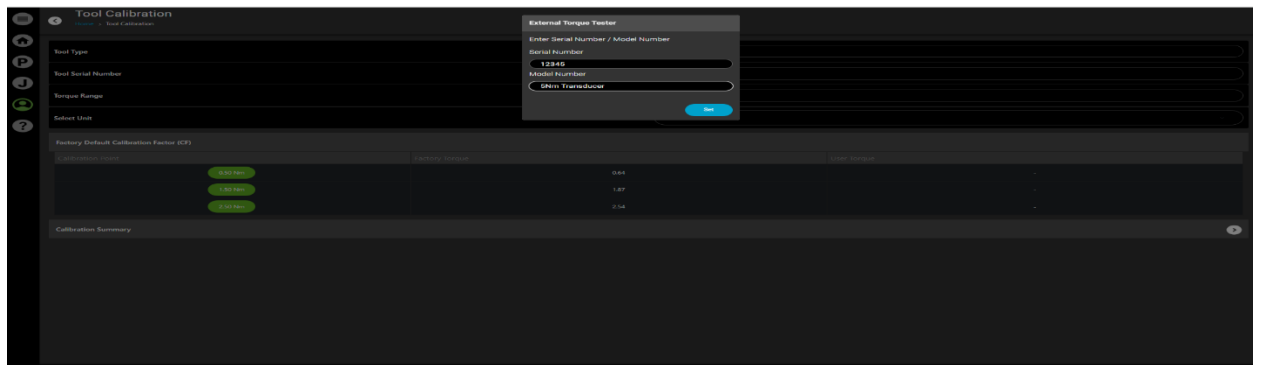
Calibration Point	Factory Torque	User Torque
0.50 Nm	0.64	-
1.50 Nm	1.87	-
2.50 Nm	2.54	-

11. Select Set.

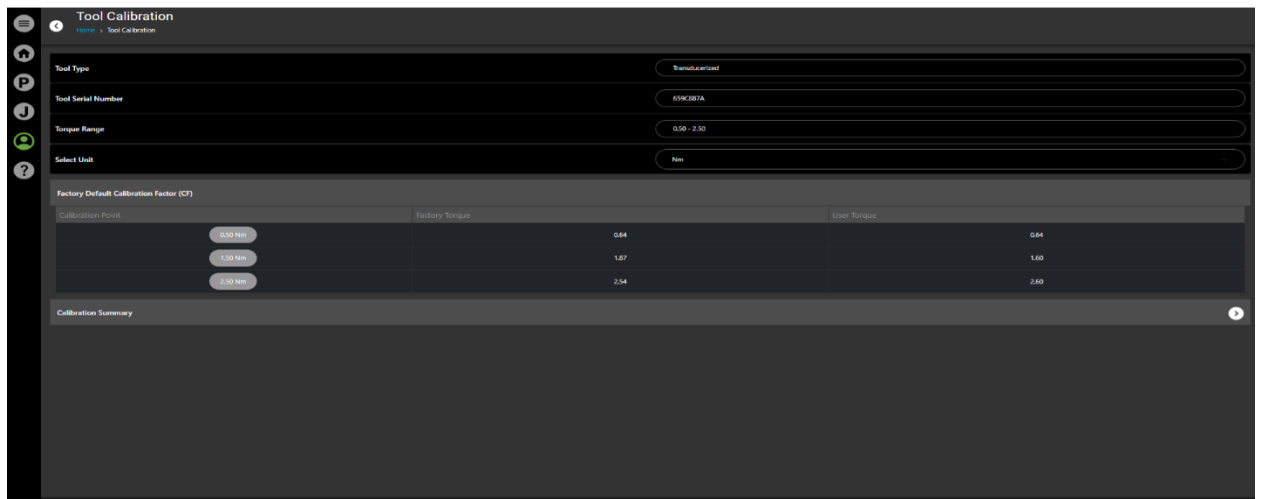


12. Select Yes.

13. Enter the External Transducer information.



14. Select Set.



15. Go to Calibration Summary to download the report.



Torque Calibration of IQI Tool

Tool Information

Tool Serial Number	659C887A
Tool Model Number	65
External Torque Tester Serial Number	12345
External Torque Tester Model Number	5Nm Transducer

Calibration Result

16/09/2025 10:13:01

Calibration Point - Point 1

Cycle Counter	From Tool	From External
1	0.79 Nm	0.65 Nm
2	0.80 Nm	0.64 Nm
3	0.83 Nm	0.64 Nm
4	0.79 Nm	0.63 Nm
5	0.84 Nm	0.65 Nm

Set Resultant CF Value: 2713.71

Calibration Point - Point 2

Cycle Counter	From Tool	From External
1	1.86 Nm	1.6 Nm
2	1.81 Nm	1.6 Nm
3	1.75 Nm	1.6 Nm
4	1.84 Nm	1.6 Nm

Cycle Counter	From Tool	From External
5	1.85 Nm	1.6 Nm

Set Resultant CF Value: 1199.88

Calibration Point - Point 3

Cycle Counter	From Tool	From External
1	2.88 Nm	2.6 Nm
2	2.82 Nm	2.6 Nm
3	2.88 Nm	2.6 Nm
4	2.94 Nm	2.6 Nm
5	2.92 Nm	2.6 Nm

Set Resultant CF Value: 809.69

