

EZSLAMX

Training Program



CHAPTER 6

Comparison Module



STS106, Slide 1

Property of EZ Metrology © 2021. All rights reserved.

1

Comparison Module

- A. Introduction
- B. Create and Add Sessions
- C. Energy Graph
- D. Custom Graph
- E. Reporting
- F. Review



STS106, Slide 2

Property of EZ Metrology © 2021. All rights reserved.

2

A. Introduction



STS106, Slide 3

Property of EZ Metrology © 2021. All rights reserved.

3

A. Introduction

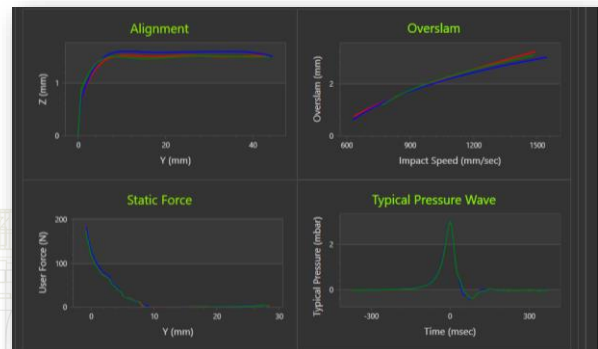
1. Comparing Multiple Sessions

Multiple Sessions

Compare data and metrics between two or more sessions. Values will be side by side in the result tables and graphed together.

Good for comparing 4 – 5 measurement Sessions.

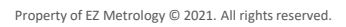
Too many sessions will cluster graph. For more than 5 sessions, we recommend multi-session reporting (see later chapter on multi-session operations).



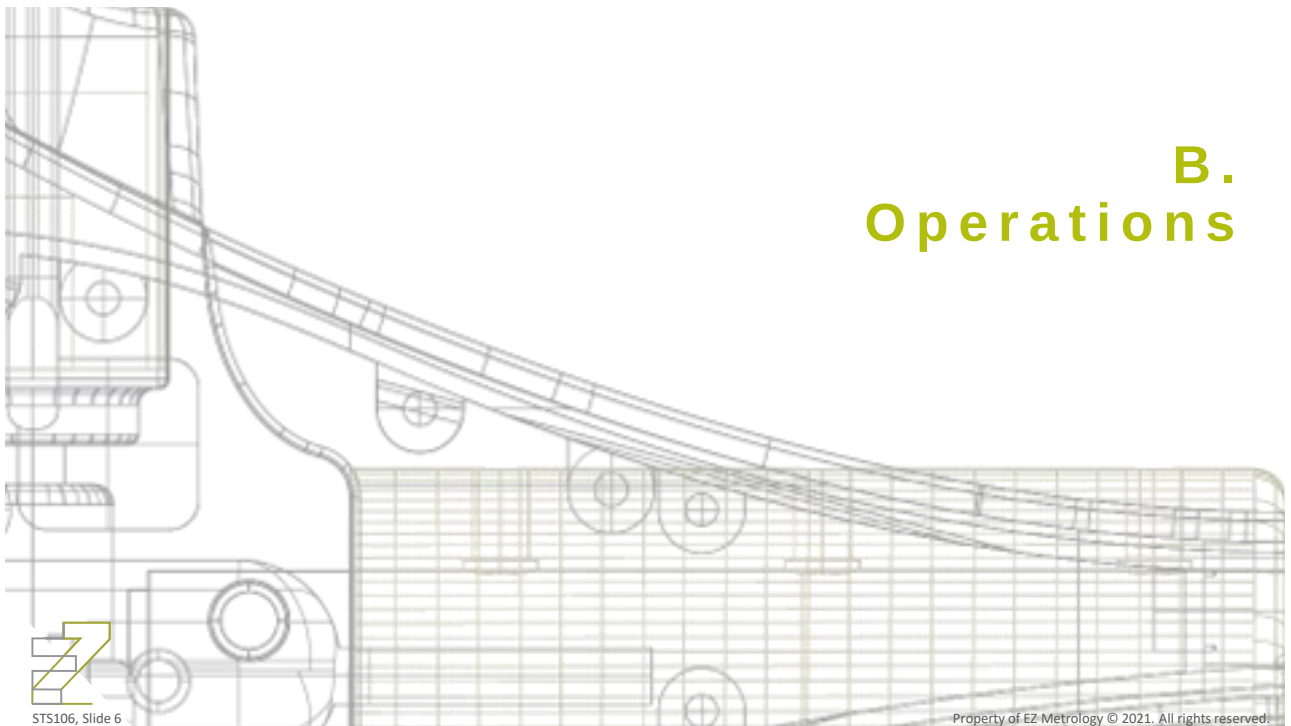
STS106, Slide 4

Property of EZ Metrology © 2021. All rights reserved.

4



5



6

B. Operations

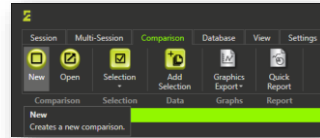
1. Create New or Open

Create

Click on New in the Comparison tab of the Main Menu to create a new blank comparison.

Open

Previously saved comparisons can be loaded by selecting the Open icon.



STS106, Slide 7

Property of EZ Metrology © 2021. All rights reserved.

7

B. Operations

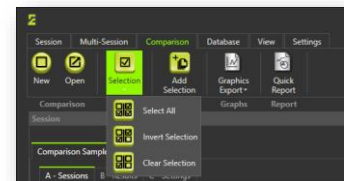
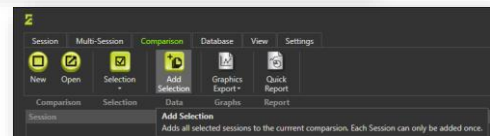
2. Add Sessions

Select & Add

Sessions can be selected by checking the "Selected" box by the desired sessions in the Database window.

Click "Add Selection" in the Comparison tab at the top of the window.

Bulk selection manipulation operations can be found in the "Selection" drop-down menu.



STS106, Slide 8

Property of EZ Metrology © 2021. All rights reserved.

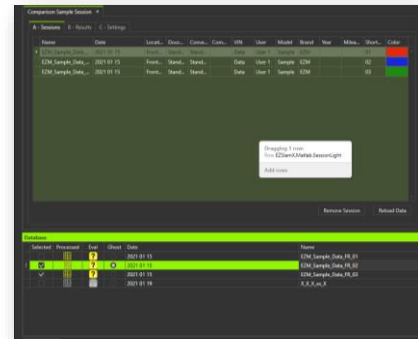
8

B. Operations

3. Drag Sessions

Drag & Drop

Sessions can be added individually to the comparison by dragging and dropping the session from the Database window.



Property of EZ Metrology © 2021. All rights reserved.

9

B. Operations

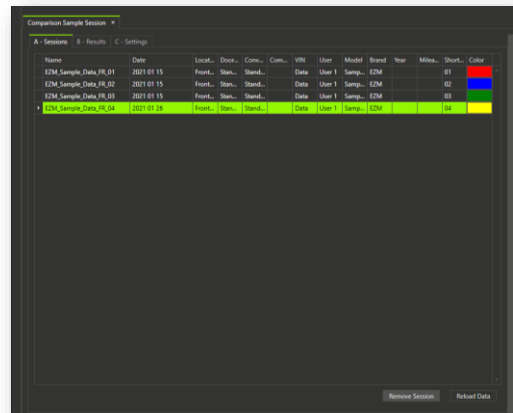
4. Manage Data

Remove Sessions

Remove a session from the comparison by selecting the session and clicking the Remove Session button in the bottom of the Session window.

Reload Sessions

Click on Reload Data to reprocess the data if the settings of a session have changed.



Property of EZ Metrology © 2021. All rights reserved.

10

B. Operations

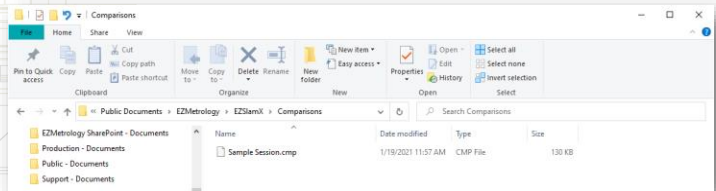
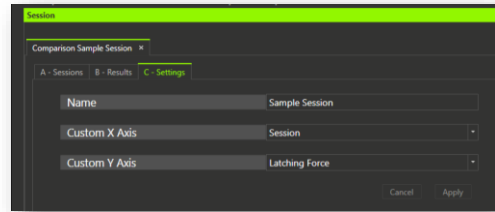
5. Naming and Other Operations

Naming

Comparisons can be named in the C – Settings tab.

Saving

Once named, comparison will be automatically saved in Public Documents > EZMetrology > EZSlamX > Comparisons



STS106, Slide 11

Property of EZ Metrology © 2021. All rights reserved.

11

C. Energy Graph

STS106, Slide 12

Property of EZ Metrology © 2021. All rights reserved.

12

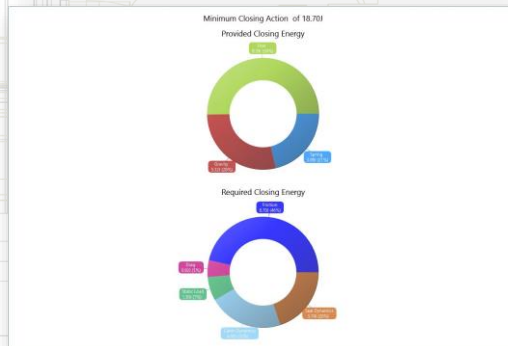
C. Energy Graph

1. Donut Graph to Bar Graph

Energy Distribution Charts

Energy distribution graphs, Pie Charts, are reformatted to appear as bar charts.

- **Positive Values** = Input Components (User – Gravity – Spring). The total height matches the total input energy.
- **Negative Values** = Output Components (Friction, Seal Air, Cabin Air, Compression, Drag). The height is equal to the positive side as the energy amount are equal



Property of EZ Metrology © 2021. All rights reserved.

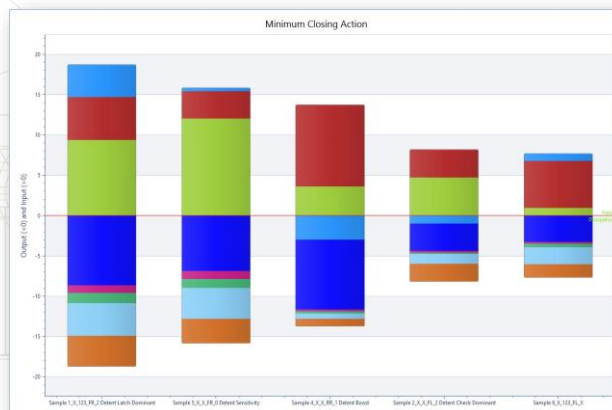
13

C. Energy Graph

1. Donut Graph to Bar Graph

Bar Representation

The bar representation allows to put many doors side by side and compare the relative color composition of each of the closing energies.



Property of EZ Metrology © 2021. All rights reserved.

14

D. Custom Graph



STS106, Slide 15

Property of EZ Metrology © 2021. All rights reserved.

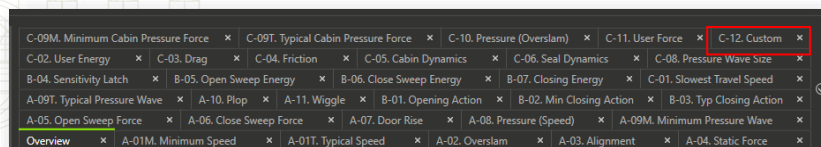
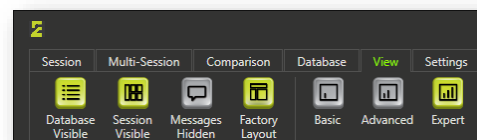
15

D. Custom Graph

1. Viewing the Custom Graph

View

Select Expert view from the View tab in the Main Menu. The graph can be viewed in the Graphs window in the C – 12 Custom tab.



STS106, Slide 16

Property of EZ Metrology © 2021. All rights reserved.

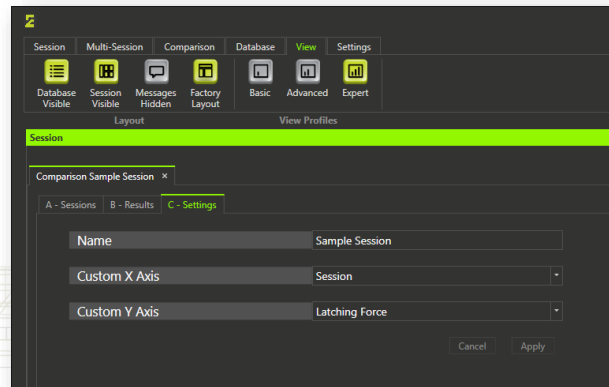
16

D. Custom Graph

2. Settings

Settings

The custom graph settings can be modified in the C – Settings tab of the session window.



STS106, Slide 17

Property of EZ Metrology © 2021. All rights reserved.

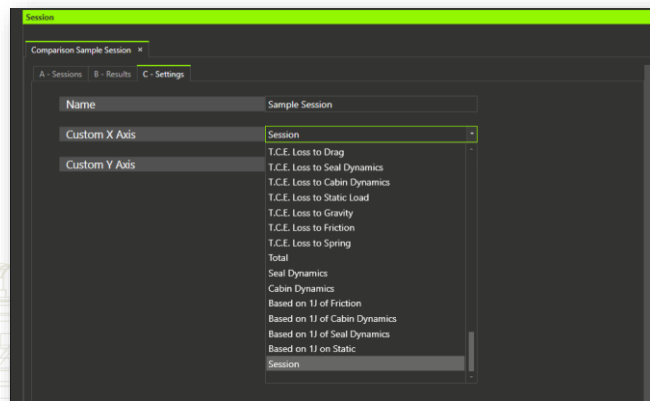
17

D. Custom Graph

3. Changing the Axes

Axes

Customize the X and Y parameters of the graph by choosing the desired metrics from the drop-down menu.

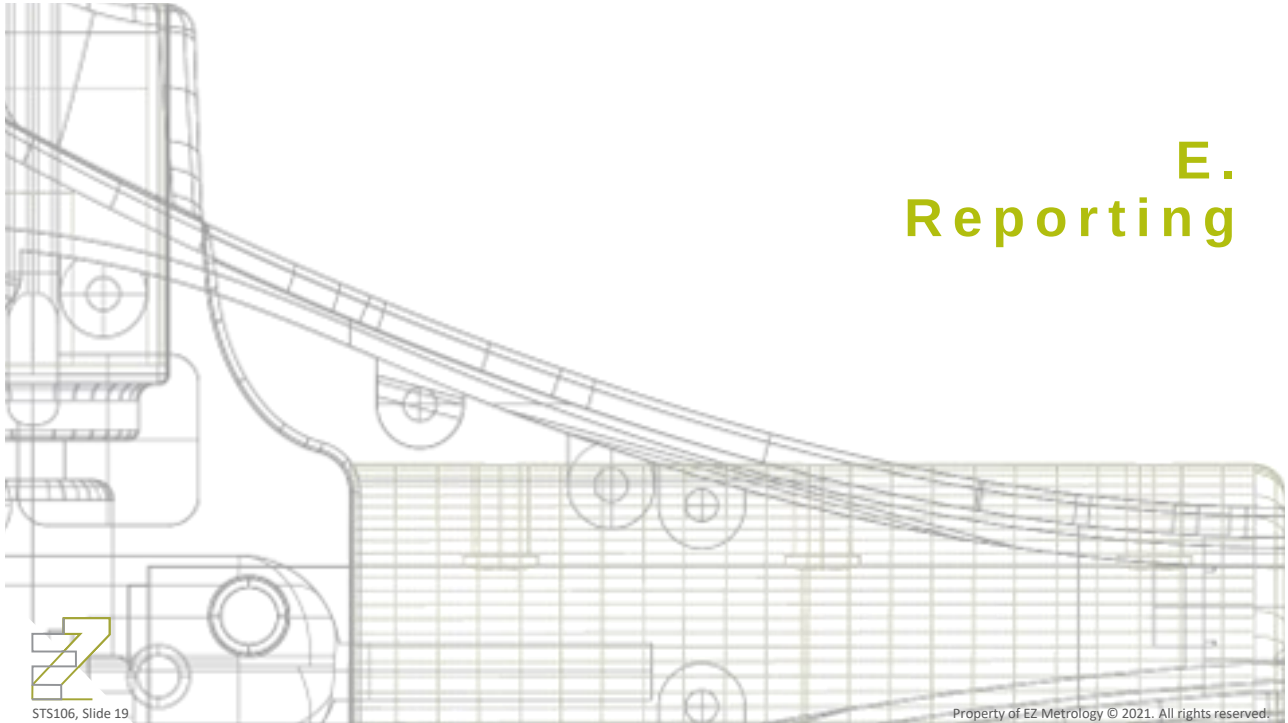


STS106, Slide 18

Property of EZ Metrology © 2021. All rights reserved.

18

E. Reporting



19

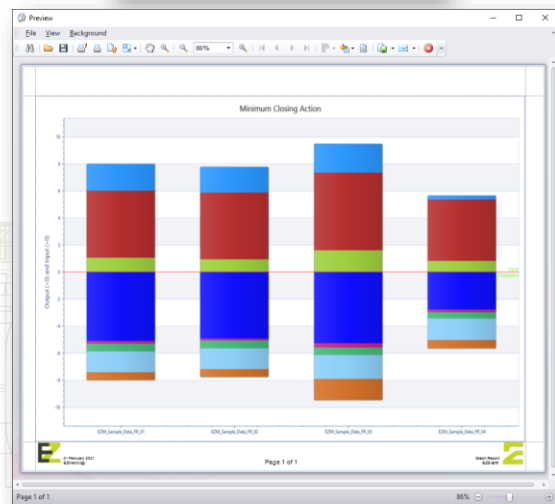
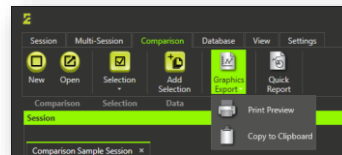
E. Reporting

1. Graphics

Graphics Export

The graph being viewed can be generated in a print preview and exported to multiple formats or copied to the clipboard.

Note: Overview tab cannot be printed or copied to the clipboard.



Property of EZ Metrology © 2021. All rights reserved.

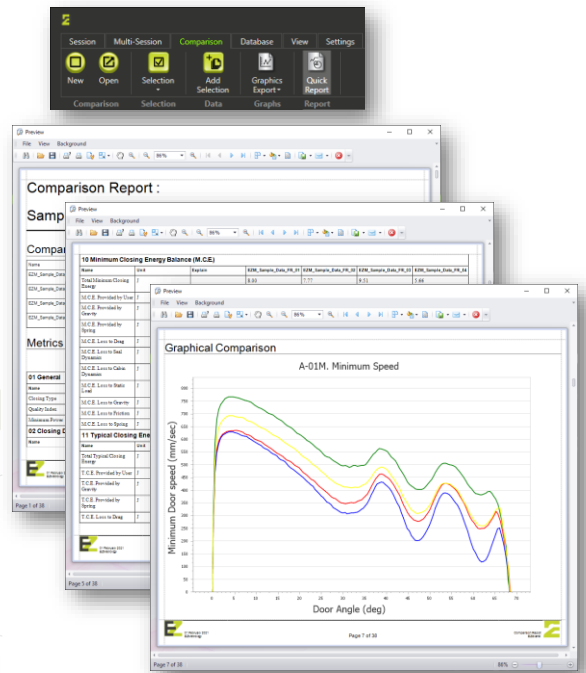
20

E. Reporting

2. Quick Report

Quick Report

Selecting Quick Report will generate a report of all metrics and graphs.



Property of EZ Metrology © 2021. All rights reserved.

21

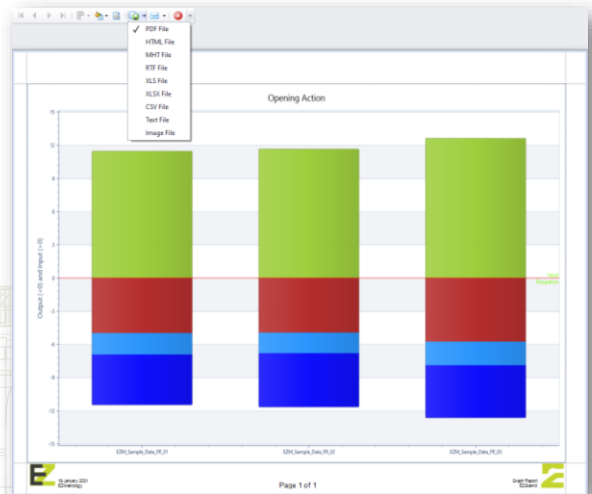
E. Reporting

3. Print Preview

Print Preview

Within the print preview window, the user can make aesthetic adjustments such as the background, scale, and watermark.

The graph can be saved using the drop-down menu or printed from the toolbar.



Property of EZ Metrology © 2021. All rights reserved.

22

F. Review



STS106, Slide 23

Property of EZ Metrology © 2021. All rights reserved.

23

F. Review

Topics addressed during this chapter:

Comparison

Create a new comparison, populate with sessions and create custom graphs.

Comparison Reporting

Generate Reports of the comparison and print or export.



STS106, Slide 24

Property of EZ Metrology © 2021. All rights reserved.

24