TSI Link™ Report Creator – Noise Exposure Assessment, View Study

Worksheet Guides (US)

Contents

Overview

The Noise Exposure Assessment workbook contains quick and thorough worksheets for viewing a Study. These worksheets quickly report, summarize and chart the key metrics and dynamics of a study.

Refer to the Report Creator Product Page for guides, videos and more resources including: setting up an account, installing the application, using the study manager, using the layout view, customizing report creator templates, etc. This guide builds upon and supplements those guides.

Worksheet Templates

The table below lists the View Study worksheets available in the Noise Exposure Assessment Workbooks.

Worksheet	Supported Measurements	Supported Instruments	Applications
View Study - Custom (any noise configuration)	42 different Sound Measurements are supported, see Appendix A	OmniTrak™ Solution	To quickly view the Noise Conditions of an area.
View Study - Standard Noise Configurations	Dependent on Configuration, see Appendix B		To quickly view the Noise Conditions and of an area and compare it to a noise protection standard

NOTE:

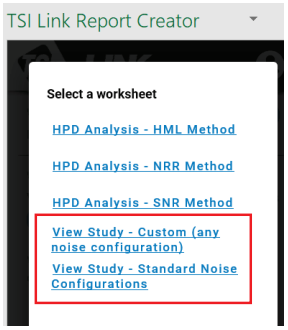
The Noise Exposure Assessment Workbook also includes 3 more worksheet templates focused on Hearing Protection Devices: *HPD Analysis – HML Method (High Medium Low), HPD Analysis - NRR Method (Noise Reduction Rating), and HPD Analysis - SNR Method (Single number rating).* Since these sound analysis workbooks have different formats, they are covered in a separate document: ***Worksheet Guide - Noise Exposure Assessment, HPD Analyses***, which is in the RESOURCES section of the Report Creator Product Page

Worksheet Steps

Step 1: Select Noise Exposure Assessment Workbook and the Desired Worksheet

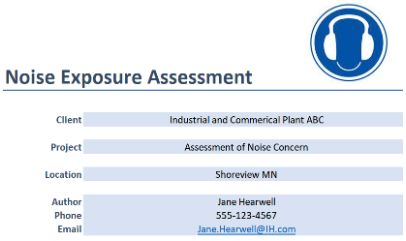
The Noise Exposure Assessment Workbook is one of many that are available. An overview of the workbooks available is on the Report Creator Product Page.

Choose the worksheet desired, refer to the overview of the HPD worksheets above if needed.



Step 2: Cover Sheet

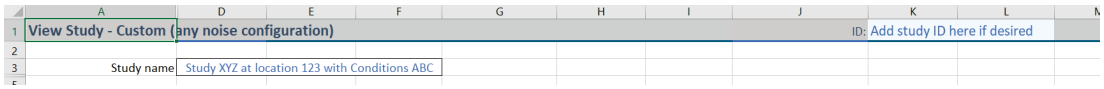
This workbook contains a cover sheet that can be customized to suit your needs, such as adding fields or logos, adjusting the font, etc.



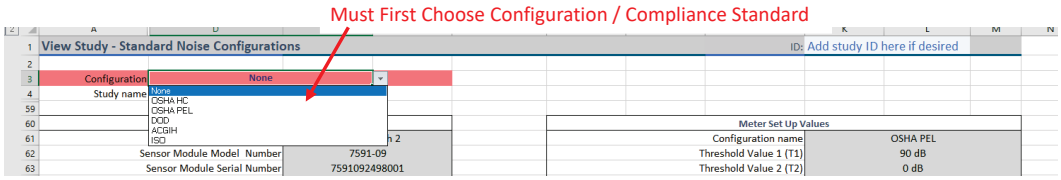
Step 3: Demographic Information and Study Parameters

With these quick and easy sheets that simply pull in the data for a single study, the standard demographic information is concise and simple. Just add the name and ID if desired.

View Study - Custom (any noise configuration) Worksheet



View Study - Standard Noise Configurations

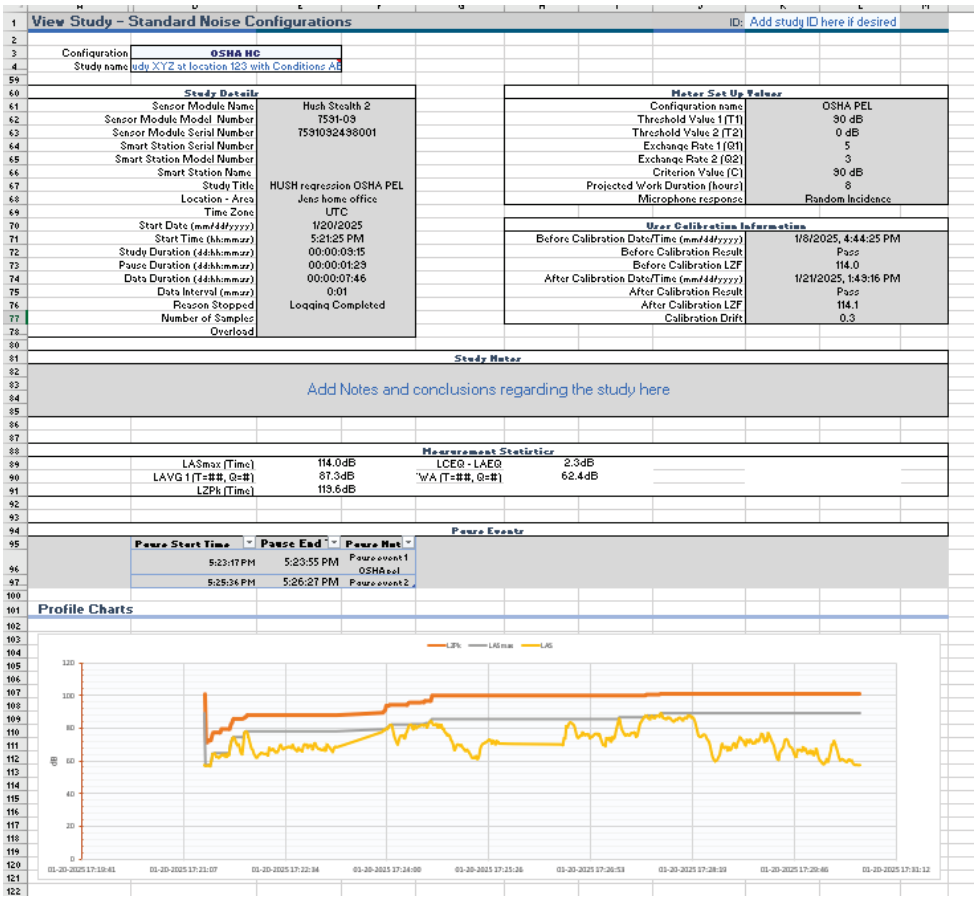


Step 4: Load Study Data

These worksheets are for a single study. You can load the data quickly and easily using the Study Manager or *File Import*. After you have chosen the desired study, click ***Add Data***. The summary Measurement Statistics are below the Study Notes and the detailed Measurement Data is loaded further down the sheet.

Step 5: Analyse Data

Review the thorough, quick and clear analyses; including the Study Demographic Details, the Meter Set Up Values, the Measurement Summary Statistics, the Pauses, and the Chart. Further down is the detailed Measurement Data.



Step 6: Complete the Assessment

To complete the report, you can add recommendations under the Study Notes section.

The print layout for this sheet does not include the measurement data in the blue tables at the bottom of the sheet. They will also not appear in a PDF export.

Appendix A – Sounds Measurements for View Study - Custom (Any Noise Configuration) Worksheet

Below is a list of parameters available:

Parameters	
L_{AFmax} (Time)	L_{AIEQ}
L_{CFmax} (Time)	L_{AEQT80}
L_{ZFmax} (Time)	L_{AVG} 1 (T=##, Q=#)
L_{ASmax} (Time)	L_{AVG} 2 (T=##, Q=#)
L_{CSmax} (Time)	L_{APk} (Time)
L_{ZSmax} (Time)	L_{CPk} (Time)
L_{AImax} (Time)	L_{ZPk} (Time)
L_{CImax} (Time)	L_{AFTm3}
L_{ZImax} (Time)	L_{AFTm5}
L_{AFmin} (Time)	L_{AITm3}
L_{CFmin} (Time)	L_{AITm5}
L_{ZFmin} (Time)	L_{CEQ} - L_{AEQ}
L_{ASmin} (Time)	$L_{EX, 8Hr}$
L_{CSmin} (Time)	$L_{EP,d}$
L_{ZSmin} (Time)	Proj. $L_{EX, 8h}$
L_{AImin} (Time)	Proj. $L_{EP,d}$
L_{CImin} (Time)	L_{AE}
L_{ZImin} (Time)	TWA (T=##, Q=#)
L_{AEQ}	Proj. TWA (T=##, Q=#)
L_{CEQ}	Dose % (C=##)
L_{ZEQ}	Proj. Dose % (C=##)

Appendix B – Sound Measurements for View Study - Standard Noise Configurations Worksheet

Below is a list of parameters available for the different Configurations / Protection Standards:

Condition / Protection Standard	Parameters	
DOD	Measurement Statistics	L_{ZPk} (Time)
	L_{ASmax} (Time)	L_{CEQ} - L_{AEQ}
	L_{AVG} 1 (T=##, Q=#)	TWA (T=##, Q=#)
OSHA HC	L_{ASmax} (Time)	L_{CEQ} - L_{AEQ}
	L_{AVG} 1 (T=##, Q=#)	TWA (T=##, Q=#)
	L_{ZPk} (Time)	
OSHA PEL	L_{ASmax} (Time)	L_{CEQ} - L_{AEQ}
	L_{AVG} 1 (T=##, Q=#)	TWA (T=##, Q=#)
	L_{ZPk} (Time)	
ACGIH	L_{ASmax} (Time)	L_{ZPk} (Time)
	L_{AEQ}	L_{CEQ} - L_{AEQ}
	L_{AEQT80}	TWA (T=##, Q=#)
ISO	L_{AFmax} (Time)	L_{CEQ} - L_{AEQ}
	L_{AFmin} (Time)	$L_{EX, 8hr}$
	L_{AEQ}	$L_{EP, d}$
	L_{CEQ}	L_{AE}
	L_{CPk} (Time)	

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