

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



Worksheet Guides (US)

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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:

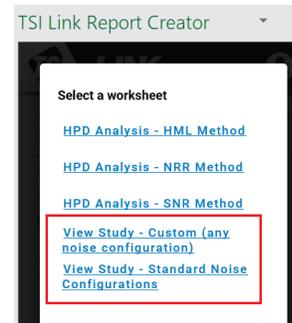
The Noise Exposure Assessment Workbook also includes 3 more worksheet templates focused on Hearing Protection Devices: *HPD Analysis – HML Method (High Medium Low)*, *HPD Analysis - NRR Method (Noise Reduction Rating)*, and *HPD Analysis - SNR Method (Single number rating)*. Since these sound analysis 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

1	View Study - Custom (any noise configuration)		ID: Add study ID here if desired
2			
3	Study name	Study XYZ at location 123 with Conditions ABC	

View Study - Standard Noise Configurations

Must First Choose Configuration / Compliance Standard

1	View Study - Standard Noise Configurations		ID: Add study ID here if desired
2			
3	Configuration	None	
4	Study name	Study XYZ at location 123 with Conditions ABC	
59	Sensor Module Model Number		7591-09
60	Sensor Module Serial Number		7591092498001
61	Configuration name		OSHA PEL
62	Threshold Value 1 (T1)		90 dB
63	Threshold Value 2 (T2)		0 dB

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.

1	View Study - Standard Noise Configurations		ID: Add study ID here if desired
2			
3	Configuration	OSHA HC	
4	Study name	Study XYZ at location 123 with Conditions ABC	
59	Sensor Module Model Number		7591-09
60	Sensor Module Serial Number		7591092498001
61	Configuration name		OSHA PEL
62	Threshold Value 1 (T1)		90 dB
63	Threshold Value 2 (T2)		0 dB
64	Exchange Rate 1 (O1)		5
65	Exchange Rate 2 (O2)		3
66	Criterion Value (C)		30 dB
67	Projected Work Duration (hours)		8
68	Microphone response		Random Incidence
69	Study Details		
70	Sensor Module Name	Hush Stealth 2	
71	Sensor Module Model Number	TS91-09	
72	Sensor Module Serial Number	7591092498001	
73	Smart Station Serial Number		
74	Smart Station Model Number		
75	Smart Station Name		
76	Study Title	HUSH regression OSHA PEL	
77	Location - Area	Jens home office	
78	Time Zone	LTC	
79	Start Date (mm/dd/yyyy)	1/20/2025	
80	Start Time (hh:mm:ss)	5:21:25 PM	
81	Study Duration (dd:hh:mm:ss)	00:00:03:15	
82	Pause Duration (dd:hh:mm:ss)	00:00:01:23	
83	Data Duration (dd:hh:mm:ss)	00:00:01:46	
84	Data Interval (sec)	0.01	
85	Reason Stopped	Logging Completed	
86	Number of Samples		
87	Overload		
88	Study Meter		
89	Add Notes and conclusions regarding the study here		
90			
91			
92			
93			
94			
95	Measurement Statistics		
96	LASmax (Time)	114.0dB	LCEQ - LAEQ 2.3dB
97	LAVG 1 (T=##, O=#)	87.3dB	WA (T=##, O=#) 62.4dB
98	L2Pk (Time)	113.6dB	
99			
100	Pause Events		
101	Pause Start Time	Pause End	Pause Mat
102	5:23:17 PM	5:23:55 PM	Pause event 1
103	5:25:36 PM	5:26:27 PM	Pause event 2
104	Profile Charts		
105			

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	
LAFmax (Time)	LAIEQ
LCFmax (Time)	LAEQT80
LZFmax (Time)	LAVG 1 (T=##, Q=#)
LASmax (Time)	LAVG 2 (T=##, Q=#)
LCSmax (Time)	LAPk (Time)
LZSmax (Time)	LCPk (Time)
LAlmax (Time)	LZPk (Time)
LClmax (Time)	LAFtm3
LZlmax (Time)	LAFtm5
LAFmin (Time)	LAITm3
LCFmin (Time)	LAITm5
LZFmin (Time)	LCEQ - LAEQ
LASmin (Time)	LEX, 8Hr
LCSmin (Time)	LEP,d
LZSmin (Time)	Proj. LEX, 8h
LAlmin (Time)	Proj. LEP,d
LClmin (Time)	LAE
LZlmin (Time)	TWA (T=##, Q=#)
LAEQ	Proj. TWA (T=##, Q=#)
LCEQ	Dose % (C=##)
LZEQ	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	LZPk (Time)
	LASmax (Time)	LCEQ - LAEQ
	LAVG 1 (T=##, Q=#)	TWA (T=##, Q=#)
OSHA HC	LASmax (Time)	LCEQ - LAEQ
	LAVG 1 (T=##, Q=#)	TWA (T=##, Q=#)
	LZPk (Time)	
OSHA PEL	LASmax (Time)	LCEQ - LAEQ
	LAVG 1 (T=##, Q=#)	TWA (T=##, Q=#)
	LZPk (Time)	
ACGIH	LASmax (Time)	LZPk (Time)
	LAEQ	LCEQ - LAEQ
	LAEQT80	TWA (T=##, Q=#)
ISO	LAFmax (Time)	LCEQ - LAEQ
	LAFmin (Time)	L _{EX} , 8hr
	LAEQ	L _{EP} , d
	LCEQ	L _{AE}
	LCPk (Time)	



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