

TSI Link™ Report Creator – Basic Analytics Data Table



Worksheet Guide (US)

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Overview

The Data Table Report is part of the Basic Analytics workbook for TSI Link™ Report Creator. It provides a quick and **easy way to summarize a single study**. The standard printed report includes the summary statistics – average, maximum and minimum – as well as the raw data as acquired by instruments

Check out the [Report Creator Product Page](#) for the full list of guides and videos 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 those guides, it not duplicate all of the content.



Workbook Templates

The Data Table works with a ~13 types of devices, providing a quick and simple table-based data reports. The associated measurements are shown below. Note that devices that produce both particulate mass and number concentration have two different device selections. For example OmniTrak™ PM – PMx Module and OmniTrak™ PM – PN Module

Worksheet Template	Selected Device	Displayed Data	Examples of Needs/Applications
Data Table	DustTrak™ II Monitors: 8530 and 8532	PM 1.0 (ug/m ³) PM 2.5 (ug/m ³) PM RESP (ug/m ³) PM 10 (ug/m ³)	✓ Point source location monitoring ✓ Baseline trending and screening ✓ Engineering control evaluations
	DustTrak™ DRX Monitor: 8533 and 8534	PM 1.0 (ug/m ³) PM 2.5 (ug/m ³) PM RESP (ug/m ³) PM 10 (ug/m ³)	✓ Occupational hygiene surveys ✓ Indoor air quality investigations ✓ Outdoor environmental monitoring ✓ Baseline trending and screening
	OmniTrak™ Formaldehyde Module	CH ₂ O (ppb)	✓ Laboratory or manufacturing safety
	OmniTrak™ Carbon Monoxide Module	CO (ppm)	✓ Home safety analysis
	OmniTrak™ Ozone Module	Ozone (ppb)	✓ Home or work IAQ study
	OmniTrak Chlorine Module	CL (ppm)	✓ Chemical storage or cleaning analysis
	OmniTrak Ammonia Module	NH ₃ (ppm)	✓ Chemical storage or cleaning analysis
	OmniTrak VOC (ppb) Module	VOC (ppb)	✓ Home or manufacturing analysis
	OmniTrak VOC (ppm) Module	VOC (ppm)	✓ Gas station or road study
	OmniTrak PM - PMx Module	PM 1.0 (ug/m ³) PM 2.5 (ug/m ³) PM RESP (ug/m ³) PM 10 (ug/m ³)	✓ Health and Safety Analysis
	OmniTrak PM + VOC (ppm) - PMx Module	VOC (ppm) PM 1.0 (ug/m ³) PM 2.5 (ug/m ³) PM RESP (ug/m ³) PM 10 (ug/m ³)	✓ Agricultural or work place analyses ✓ Troubleshooting smells or pollutants ✓ Study during painting or a leak or accident
	OmniTrak PM - PN Module	NC 0.3 - 0.5 (#/m ³) NC 0.5 - 1.0 (#/m ³) NC 1.0 - 2.5 (#/m ³) NC 2.5 - 4.0 (#/m ³) NC 4.0 - 10 (#/m ³)	✓ HVAC analysis ✓ Baseline Trending ✓ Engineering Control Evaluation
	OmniTrak PM + VOC (ppm) - PN Module	VOC (ppm) NC 0.3 - 0.5 (#/m ³) NC 0.5 - 1.0 (#/m ³) NC 1.0 - 2.5 (#/m ³) NC 2.5 - 4.0 (#/m ³) NC 4.0 - 10 (#/m ³)	✓ Ventilation Study of a Kitchen or Laboratory ✓ Engineering Control Evaluation

Worksheet Operation

The worksheet templates in this workbook have a similar structure. This section outlines the basic operating steps for all of them.

Step 1 Select the Basic Analytics Workbook then Data Table Worksheet

This worksheet is one of the multiple worksheets available via the **Basic Analytics Workbook**.

A general overview of available workbooks is on the [Report Creator product page](#). This page also contains many other workbook Guides in the RESOURCE section.

Step 2 Cover Sheet

This workbook contains a very simple Cover sheet that can be customized to suit your needs. See the *Customizing Report Creator Templates to learn how*. Other sheets can be added to your workbook, if desired.

Analytical Analysis Report			
Client			
Project			
Location			
Author			

Step 3 Select the Device

After creating either a Data Table worksheet, select the type of device that you wish to report on.

	A	B	C
21			
22	Model	OmniTrak PM - PMx	
23	Model Number	OmniTrak Chlorine	
24	Serial Number	OmniTrak Ammonia	
25	Start Time	OmniTrak VOC (ppb)	
26	Stop Time	OmniTrak VOC (ppm)	
27	Duration (hr)	OmniTrak PM - PMx	
28	Logging Interval (sec)	OmniTrak PM + VOC (ppm) - PMx	

Step 4 Import Study Data

Import the environmental data using [Study Manager](#) or *File Import*. With this worksheet the meta / demographic information associated with the file is loaded into the workbook.

Step 5 Analyze the Data

Demographic information about the study is shown at the top of the report. Below that a statistical summary is shown that includes a simple sparkline chart of the measurement, the minimum, and maximum value.

The time-stamped data table is also constructed. Unlike other worksheet templates in this workbook, the raw data table is printed and exported to PDF. Be aware that this can generate a very long report for large datasets.

Select →	Model	OmniTrak PM - PMx	Device Name	PM MS
	Model Number	7591-01	Location	Northfield MN
	Serial Number	7591012324102	Study Name	Route 3 Northfield 6pm
	Start Time	07/08/2024 17:49:36	Study Type	quick_start
	Stop Time	07/08/2024 17:56:45	Notes	Busy street
	Duration (hr)	0.12		
	Logging Interval (sec)	1.0		
	Total Samples	430		

Demographic and meta data loaded from study manager

	PM 1.0 (ug/m3)	PM 2.5 (ug/m3)	PM RESP (ug/m3)	PM 10 (ug/m3)
Average	9.98	11.27	11.74	11.96
Minimum	3	3	3	3
Maximum	53	59	61	63

Time Stamped Data Table

stamp	PM 1.0 (ug/m3)	PM 2.5 (ug/m3)	PM RESP (ug/m3)	PM 10 (ug/m3)
	Param 1	Param 2	Param 3	Param 4
07-08-2024 17:49:36	4	4	4	4
07-08-2024 17:49:37	4	4	4	4
07-08-2024 17:49:38	4	4	4	4
07-08-2024 17:49:39	4	4	4	4
07-08-2024 17:49:40	3	4	4	4
07-08-2024 17:49:41	3	4	4	4

NOTICE

[The Layout View](#) is not available with this worksheet.

Step 6 Complete the Assessment

To complete the report, you can add recommendations as part of or under the Notes.

The print layout for this sheet does includes the measurement data.



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