

# 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	<b>DustTrak™ II Monitors:</b> 8530 and 8532	PM 1.0 (ug/m <sup>3</sup> ) PM 2.5 (ug/m <sup>3</sup> ) PM RESP (ug/m <sup>3</sup> ) PM 10 (ug/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ Point source location monitoring</li> <li>✓ Baseline trending and screening</li> <li>✓ Engineering control evaluations</li> </ul>
	<b>DustTrak™ DRX Monitor:</b> 8533 and 8534	PM 1.0 (ug/m <sup>3</sup> ) PM 2.5 (ug/m <sup>3</sup> ) PM RESP (ug/m <sup>3</sup> ) PM 10 (ug/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ Occupational hygiene surveys</li> <li>✓ Indoor air quality investigations</li> <li>✓ Outdoor environmental monitoring</li> <li>✓ Baseline trending and screening</li> </ul>
	<b>OmniTrak™ Formaldehyde Module</b>	CH <sub>2</sub> O (ppb)	<ul style="list-style-type: none"> <li>✓ Laboratory or manufacturing safety</li> </ul>
	<b>OmniTrak™ Carbon Monoxide Module</b>	CO (ppm)	<ul style="list-style-type: none"> <li>✓ Home safety analysis</li> </ul>
	<b>OmniTrak™ Ozone Module</b>	Ozone (ppb)	<ul style="list-style-type: none"> <li>✓ Home or work IAQ study</li> </ul>
	<b>OmniTrak Chlorine Module</b>	CL (ppm)	<ul style="list-style-type: none"> <li>✓ Chemical storage or cleaning analysis</li> </ul>
	<b>OmniTrak Ammonia Module</b>	NH <sub>3</sub> (ppm)	<ul style="list-style-type: none"> <li>✓ Chemical storage or cleaning analysis</li> </ul>
	<b>OmniTrak VOC (ppb) Module</b>	VOC (ppb)	<ul style="list-style-type: none"> <li>✓ Home or manufacturing analysis</li> </ul>
	<b>OmniTrak VOC (ppm) Module</b>	VOC (ppm)	<ul style="list-style-type: none"> <li>✓ Gas station or road study</li> </ul>
	<b>OmniTrak PM - PMx Module</b>	PM 1.0 (ug/m <sup>3</sup> ) PM 2.5 (ug/m <sup>3</sup> ) PM RESP (ug/m <sup>3</sup> ) PM 10 (ug/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ Health and Safety Analysis</li> </ul>
	<b>OmniTrak PM + VOC (ppm) - PMx Module</b>	VOC (ppm) PM 1.0 (ug/m <sup>3</sup> ) PM 2.5 (ug/m <sup>3</sup> ) PM RESP (ug/m <sup>3</sup> ) PM 10 (ug/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ Agricultural or work place analyses</li> <li>✓ Troubleshooting smells or pollutants</li> <li>✓ Study during painting or a leak or accident</li> </ul>
	<b>OmniTrak PM - PN Module</b>	NC 0.3 - 0.5 (#/m <sup>3</sup> ) NC 0.5 - 1.0 (#/m <sup>3</sup> ) NC 1.0 - 2.5 (#/m <sup>3</sup> ) NC 2.5 - 4.0 (#/m <sup>3</sup> ) NC 4.0 - 10 (#/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ HVAC analysis</li> <li>✓ Baseline Trending</li> <li>✓ Engineering Control Evaluation</li> </ul>
	<b>OmniTrak PM + VOC (ppm) - PN Module</b>	VOC (ppm) NC 0.3 - 0.5 (#/m <sup>3</sup> ) NC 0.5 - 1.0 (#/m <sup>3</sup> ) NC 1.0 - 2.5 (#/m <sup>3</sup> ) NC 2.5 - 4.0 (#/m <sup>3</sup> ) NC 4.0 - 10 (#/m <sup>3</sup> )	<ul style="list-style-type: none"> <li>✓ Ventilation Study of a Kitchen or Laboratory</li> <li>✓ Engineering Control Evaluation</li> </ul>

# 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**

Model Number **7591-01**

Serial Number **7591012324102**

Start Time **07/08/2024 17:49:36**

Stop Time **07/08/2024 17:56:45**

Duration (hr) **0.12**

Logging Interval (sec) **1.0**

Total Samples **430**

Device Name **PM MS**

Location **Northfield MN**

Study Name **Route 3 Northfield 6pm**

Study Type **quick\_start**

Notes **Busy street**

Demographic and meta data loaded from study manager

Spark Line Charts →

	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

Summary →

Statistics

Time Stamped Data Table

	PM 1.0 (ug/m3)	PM 2.5 (ug/m3)	PM RESP (ug/m3)	PM 10 (ug/m3)
stamp	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.



**Knowledge Beyond Measure.**

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