

LSGAM – Downloading and Exporting Data

Once you have connected your GEM to LSGAM via USB/Bluetooth, you have the ability to download and export your device readings to your computer.

Step 1: Click the “Readings” tab, and click on “Get Readings” to download the readings from your GEM to the LSGAM software:

The screenshot shows the LSGAM software interface. At the top, a blue banner reads "ID Download Complete". Below this, the "Readings" tab is selected, and the "Get Readings" button is highlighted. The "Instrument" section on the right displays details for GEM™5000, including Serial Number: GS04064, Version: GS V1.15.12, Operating Mode: GEM, Units: Mixed, Instrument Date: Nov 11, 2021 2:46:12 AM, Service Due Date: Oct 1, 2023 11:22:57 AM, Number of Ids: 6, Number of Readings: 12, Available Memory: 100%, and Battery Level: 95%.

Device Id	Date Time	CH ₄	CO ₂	O ₂	Comments	Project
Acufrow1	11/17/20 4:10 PM	0.0	0.2	20.5		<No Project>
*****	1/26/21 12:52 PM	0.0	0.2	20.4		<No Project>
*****	1/26/21 12:54 PM	0.0	0.2	20.4		<No Project>
*****	6/22/21 11:30 AM	0.0	0.0	18.8		<No Project>
*****	7/20/21 4:18 PM	0.0	0.1	20.4		<No Project>

File: [GEM5000] Local Project Unknown Project Duplicate Reading

DAVID (Local, Imperial) Version:6.0.20160627, Port:COM9

Step 2: Once the data has been downloaded, you can export the readings to a “.CSV” file. To do this, select the reading/date you would like to export from the drop-down menu, and then click on “Export Readings”

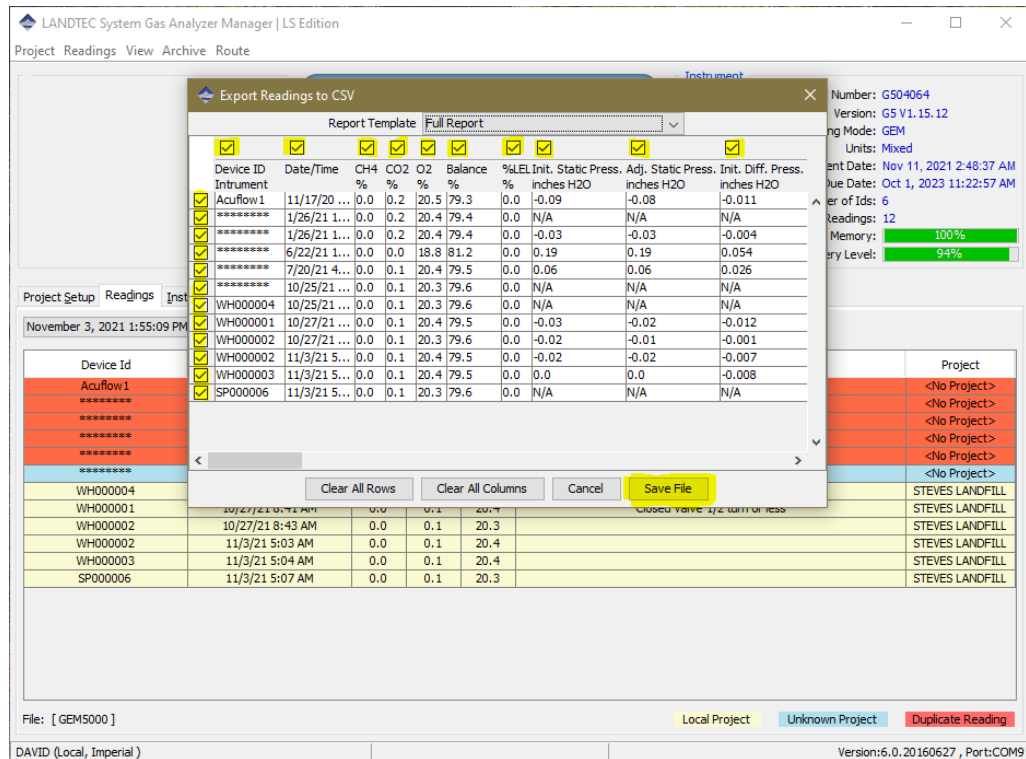
The screenshot shows the LSGAM software interface. At the top, a blue banner reads "Reading Download Complete". Below this, the "Readings" tab is selected, and the "Export Readings" button is highlighted. The "Instrument" section on the right displays details for GEM™5000, including Serial Number: GS04064, Version: GS V1.15.12, Operating Mode: GEM, Units: Mixed, Instrument Date: Nov 11, 2021 2:46:57 AM, Service Due Date: Oct 1, 2023 11:22:57 AM, Number of Ids: 6, Number of Readings: 12, Available Memory: 100%, and Battery Level: 95%.

Device Id	Date Time	CH ₄	CO ₂	O ₂	Comments	Project
Acufrow1	11/17/20 4:10 PM	0.0	0.2	20.5		<No Project>
*****	1/26/21 12:52 PM	0.0	0.2	20.4		<No Project>
*****	1/26/21 12:54 PM	0.0	0.2	20.4		<No Project>
*****	6/22/21 11:30 AM	0.0	0.0	18.8		<No Project>
*****	7/20/21 4:18 PM	0.0	0.1	20.4		<No Project>
*****	10/25/21 11:42 AM	0.0	0.1	20.3		<No Project>
WH000004	10/25/21 3:27 PM	0.0	0.1	20.3		STEVES LANDFILL
WH000001	10/27/21 8:41 AM	0.0	0.1	20.4	Closed Valve 1/2 turn or less	STEVES LANDFILL
WH000002	10/27/21 8:43 AM	0.0	0.1	20.3		STEVES LANDFILL
WH000002	11/3/21 5:03 AM	0.0	0.1	20.4		STEVES LANDFILL
WH000003	11/3/21 5:04 AM	0.0	0.1	20.4		STEVES LANDFILL
SP000006	11/3/21 5:07 AM	0.0	0.1	20.3		STEVES LANDFILL

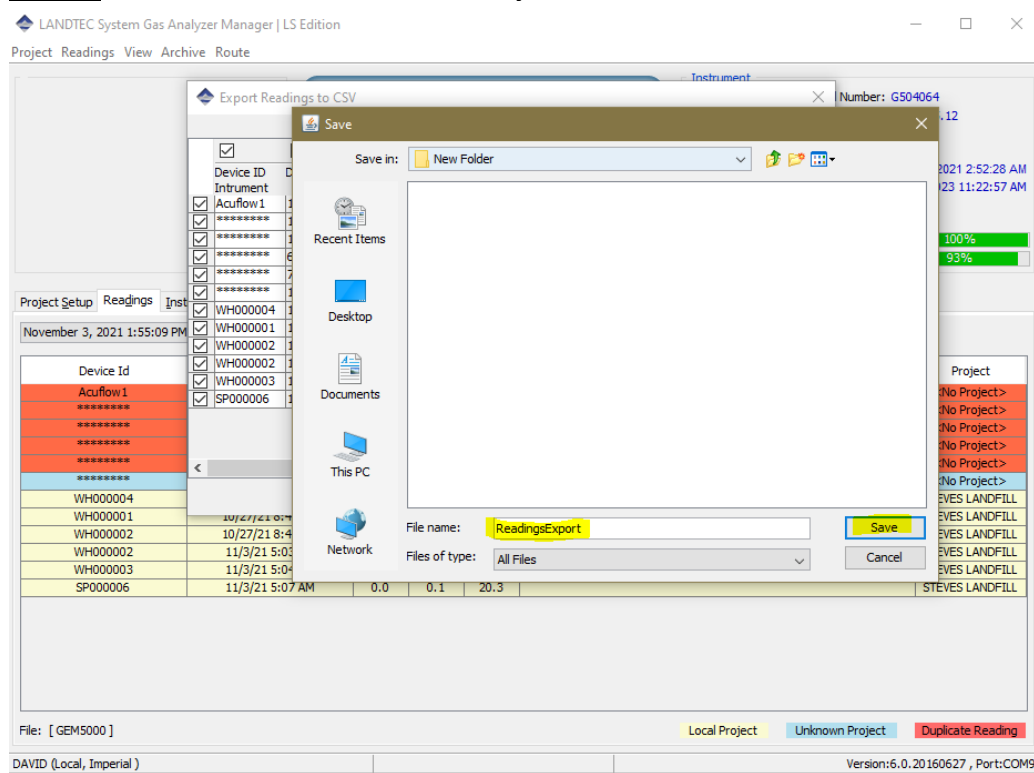
File: [GEM5000] Local Project Unknown Project Duplicate Reading

DAVID (Local, Imperial) Version:6.0.20160627, Port:COM9

Step 3: Next you will see a window pop up which will allow you to check the readings you would like to export. In this case, we are leaving all checkboxes selected. Click “Save File” and select a save location.



Step 4: Select the save to location on your PC, name the file, and click “Save”



The screenshot displays the LANDTEC System Gas Analyzer Manager (LS Edition) interface. The top window, titled 'Project Readings', shows a 'Reading Download Complete' message. Below this, a Windows File Explorer window is open, showing the 'LSGAM How Tos' folder. Inside this folder, a file named 'ReadingsExport.csv' (6 KB, Microsoft Excel C...) is highlighted. The bottom window shows the 'ReadingsExport.csv' file open in Microsoft Excel, displaying a table of gas analyzer readings for various devices over time.

Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL	Init. Static Pr	Adj. Static Pr	Init. Diff. I	Adj. Diff. I	Init. Gas T	Adj. Gas T	Init. Flow	Adj. Flow	Init. Powe	Adj. Powe	Baro. Pres	Sys. Press	Gas Pod T
GEM™5000; GS V1_15_12; LSGAM:6	%	%	%	%	%	%	inches H2O	inches H2	inches H2	inches H2	DegF	DegF	SCFM	SCFM	e38TU/h	e38TU/h	inches Hg	inches H2O	
AcufLOW1	11/17/2020 16:10	0	0.2	20.5	79.3	0	-0.09	-0.08	-0.011	-0.011	74.3	7.4	N/A	N/A	N/A	N/A	29.64	N/A	N/A
*****	1/26/2021 12:52	0	0.2	20.4	79.4	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.82	N/A	N/A
*****	1/26/2021 12:54	0	0.2	20.4	79.4	0	-0.03	-0.03	-0.004	-0.005	78	7.8	4	5	0	0	28.82	-0.03	N/A
*****	6/22/2021 11:30	0	0	18.8	81.2	0	0.19	0.19	0.054	0.054	0	0	0	0	0	0	28.97	0.18	N/A
*****	7/20/2021 16:18	0	0.1	20.4	79.5	0	0.06	0.06	0.026	0.026	0	0	0	0	0	0	28.99	-0.01	N/A
*****	10/25/2021 11:42	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.75	N/A	N/A
WH000004	10/25/2021 15:27	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.73	N/A	N/A
WH000001	10/27/2021 8:41	0	0.1	20.4	79.5	0	-0.03	-0.02	-0.012	-0.006	0	0	N/A	N/A	N/A	N/A	29.03	N/A	N/A
WH000002	10/27/2021 8:43	0	0.1	20.3	79.6	0	-0.02	-0.01	-0.001	-0.001	50	55	N/A	0	N/A	0	29.04	N/A	N/A
WH000002	11/3/2021 5:03	0	0.1	20.4	79.5	0	-0.02	-0.02	-0.007	-0.012	75	72	N/A	N/A	N/A	N/A	29.33	N/A	N/A
WH000003	11/3/2021 5:04	0	0.1	20.4	79.5	0	0	0	-0.008	-0.008	73	71	N/A	N/A	N/A	N/A	29.33	N/A	N/A
SP000006	11/3/2021 5:07	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29.33	N/A	N/A

ReadingsExport.csv - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Nitro Pro 10

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 A A

General

Conditional Formatting Format as Table Cell Styles

Insert Delete Format

AutoSum Fill Clear Sort & Find & Filter

Device ID

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
Device ID	Date/Time	CH4	CO2	O2	Balance	%LEL	Init. Static Pr	Adj. Static Init.	Diff. I	Adj. Diff. I	Init. Gas T	Adj. Gas T	Init. Flow	Adj. Flow	Init. Powe	Adj. Powe	Baro.	Pres Sys.	Press Gas	Pod T
GEM™5000; GS V1_15_12; LSGAM:6	11/17/2020 16:10	%	%	%	%	%	inches H2O	inches H2	inches H2	inches H2	DegF	DegF	SCFM	SCFM	e3BTU/h	e3BTU/h	inches Hg	inches H2O		
Acuflo1	1/26/2021 12:52	0	0.2	20.5	79.3	0	-0.09	-0.08	-0.011	-0.011	74.3	7.4	N/A	N/A	N/A	N/A	28.82	N/A	N/A	
*****	1/26/2021 12:54	0	0.2	20.4	79.4	0	-0.03	-0.03	-0.004	-0.005	78	7.8	4	5	0	0	28.82	-0.03	N/A	
*****	6/22/2021 11:30	0	0	18.8	81.2	0	0.19	0.19	0.054	0.054	0	0	0	0	0	0	28.97	0.18	N/A	
*****	7/20/2021 16:18	0	0.1	20.4	79.5	0	0.06	0.06	0.026	0.026	0	0	0	0	0	0	28.99	-0.01	N/A	
*****	10/25/2021 11:42	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.75	N/A	N/A	
WH000004	10/25/2021 15:27	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.73	N/A	N/A	
WH000001	10/27/2021 8:41	0	0.1	20.4	79.5	0	-0.03	-0.02	-0.012	-0.006	0	0	N/A	N/A	N/A	N/A	29.03	N/A	N/A	
WH000002	10/27/2021 8:43	0	0.1	20.3	79.6	0	-0.02	-0.01	-0.001	0	50	55	N/A	0	N/A	0	29.04	N/A	N/A	
WH000002	11/3/2021 5:03	0	0.1	20.4	79.5	0	-0.02	-0.02	-0.007	-0.012	75	72	N/A	N/A	N/A	N/A	29.33	N/A	N/A	
WH000003	11/3/2021 5:04	0	0.1	20.4	79.5	0	0	0	-0.008	-0.008	73	71	N/A	N/A	N/A	N/A	29.33	N/A	N/A	
SP000006	11/3/2021 5:07	0	0.1	20.3	79.6	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29.33	N/A	N/A	