

+ ScanData Manager

Analysis and reporting software

APPLICATIONS

- + Analysis of data acquired using Scanner* flow computers

BENEFITS

- + Expedited review and evaluation of flow data
- + Data viewing in a spreadsheet or trend graph
- + Filtration and sorting of flow run data
- + Filtration of alarms, events, and user changes
- + Capability of printing, exporting, and e-mailing data
- + Data conversion to custom formats
- + Professional, customized reporting

Reviewing, analyzing, and sharing historical measurement data from Scanner flow computer downloads is easy with our ScanData Manager analysis and reporting software.

The software provides quick access to data when and where it is needed—in the field or in the office—and provides the detail required for a complete job analysis and the tools for summarizing the analysis in a professional, easy-to-read report. ScanData Manager software is available for download on the Sensia website.

ScanData Manager software supports download files (.sdf and .scm) from Scanner Model 3100, 2000, 2100, 2200, 1131, 1140, and 1141 flow computers.

VIEWING

A simple double-click unlocks a download file and displays its contents in logical groupings across the computer screen. Data is grouped by data type in a series of tabs (Interval History, Daily History, Configuration, Alarms, Events, etc.) and chronologically organized within each data group, enabling the user to quickly locate specific data.

Flow run data can be filtered and sorted by date or date range. Alarms, events, and user changes can be filtered by alarm, event, or change type. Data can be printed, viewed as a trend, exported, or e-mailed.

ScanData Manager software is easily customizable to suit users' needs. An operator can change parameter default units to imperial units, metric units, or a combination of both. Viewing options may vary depending on the Scanner flow computer in use.

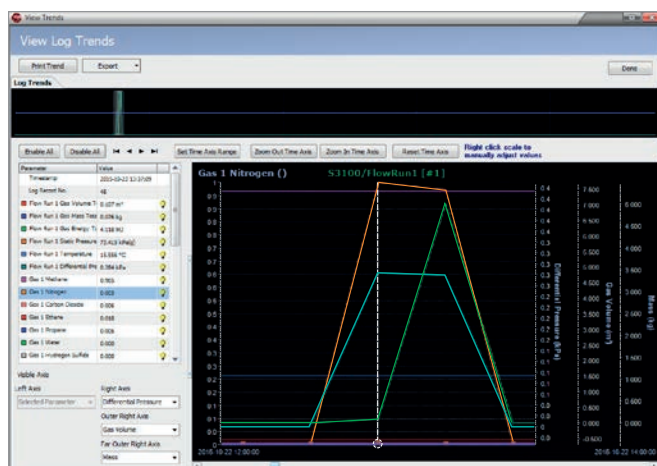
Each file opens in a separate tab

Logs displayed by data type

Rec	Timestamp	Flow Run 1 Volume MCF	Flow Run 1 Mass Total LBH	Flow Run 1 Energy Total MWHU	Differential Pressure In H2O	Static Pressure (G) PSIG	Process Temperature Deg F	Flow Run 1 Flow Time sec
6246	2011-05-04 15:00:00	46.9659	2236.8120	52.3261	26.7583	999.6810	78.0546	3600.0000
6247	2011-05-04 15:00:00	46.9371	2235.4409	52.1941	26.5609	1001.9825	77.4724	3600.0000
6248	2011-05-04 14:00:00	46.9888	2237.9526	52.2527	26.5171	1003.0107	75.6896	3600.0000
6249	2011-05-04 13:00:00	46.8455	2231.0806	52.0923	26.2562	998.1213	74.2474	3600.0000
6244	2011-05-04 12:00:00	46.8923	2223.7842	51.9219	26.1051	1002.2465	73.2984	3600.0000
6243	2011-05-04 11:00:00	46.5983	2236.3564	52.2154	26.1445	1003.3030	72.4243	3600.0000
6242	2011-05-04 10:00:00	46.6075	2219.7422	51.8275	25.6566	1003.3234	71.3988	3600.0000
6241	2011-05-04 09:00:00	46.9837	2218.6113	51.8011	25.6163	1001.7229	70.1751	3600.0000
6240	2011-05-04 08:00:00	46.6507	2221.7988	51.8755	25.6263	995.9727	67.5180	3600.0000
6239	2011-05-04 07:00:00	46.6747	2222.9434	51.9023	25.6972	993.0196	66.0992	3600.0000
6238	2011-05-04 06:00:00	46.7501	2226.5344	51.8861	25.6779	993.7145	66.1389	3600.0000
6237	2011-05-04 05:00:00	46.6152	2220.1077	51.8360	25.6024	992.3086	66.3692	3600.0000
6236	2011-05-04 04:00:00	46.6457	2221.5640	51.8701	25.6100	992.6371	66.4105	3600.0000
6235	2011-05-04 03:00:00	46.5325	2220.4583	52.0777	25.8286	992.3248	66.4835	3600.0000
6234	2011-05-04 02:00:00	46.7344	2225.8838	51.9709	25.7873	991.7549	66.7077	3600.0000
6233	2011-05-04 01:00:00	46.5395	2216.5039	51.7519	25.5972	993.0109	67.1538	3600.0000
6232	2011-05-04 00:00:00	46.8530	2231.4338	52.1005	25.8968	993.2314	67.6193	3600.0000
6231	2011-05-03 23:00:00	46.6095	2219.8362	51.8297	25.7034	993.8235	68.2496	3600.0000
6230	2011-05-03 22:00:00	46.8863	2233.0210	52.1376	25.9914	996.1383	68.8203	3600.0000

Flow runs and slave device data displayed in separate tabs

Data generated by Scanner Model 2000, 2100, 2200, and 3100 flow computers are downloaded in PDF. Data generated by Scanner Model 1130, 1140, and 1141 flow computers are downloaded in SCM format



Measurement parameter trends can be viewed in a full-color graph to expedite analysis

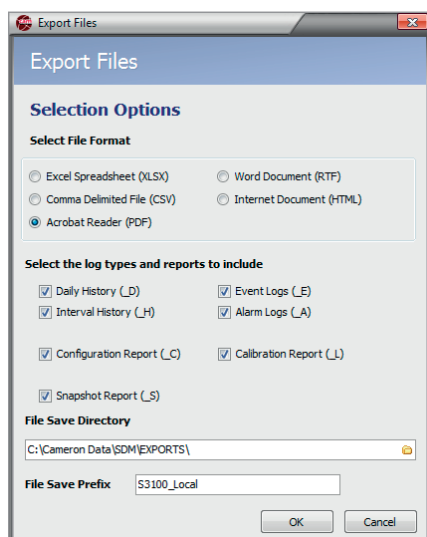
TRENDING

Trends for logged measurement parameters can be displayed in a full-color graph, reducing the time required to analyze large volumes of data. The user can zoom and scroll, turn parameters off and on, and specify the scale of the trend to be analyzed. Up to four y-axes are available for analyzing multiple parameters with different scales.

EXPORTING

Users can export data in a universal Windows®-compatible format for sharing with others. Tabular data can be exported to .pdf, an Excel spreadsheet (.xlsx), a comma-delimited file (.csv), an Internet page (.htm), or a text document (.rtf). Users can save files with a unique prefix, if desired, to help identify data by a specific operation or well location.

Graphical data can also be exported in a variety of formats.



Files can be easily exported and converted to many standard formats

Date/Time	Volume m³	Mass kg	Energy kJ	Diff. Pres. kPa	Stat. Pres. kPa(g)	Temp. °C	Flow Time s
2015-04-20 10:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-20 20:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-20 21:00:00	2004.533	1783.892	99879.617	20.358	5523.114	15.555	3300
2015-04-20 21:24:31	1231.150	87.716	4753.829	20.358	5523.114	15.555	112
2015-04-20 22:00:00	1524.343	1085.737	58942.453	20.358	5523.114	15.555	2129
2015-04-20 22:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-20 23:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 00:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 01:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 02:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 03:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 04:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 05:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 06:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
2015-04-21 07:00:00	2077.864	1835.910	99480.742	20.358	5523.114	15.555	3600
Average	2545.076	1912.770	98244.544	20.358	5523.114	15.555	3331
Weighted Avg							
Minimum							
Maximum							
Total							

Two reporting options enable improved flexibility

CONVERSION

ScanData Manager software also allows users to convert measurement data to a custom format, such as Flow-Cal® and PGAS®, for integration into a host computer. The software streamlines this process through individual and batch file conversion.

To ensure the integrity of the measurement audit trail, the original .sdf and .scm download files are automatically archived with each conversion.

REPORTING

ScanData Manager software provides two reporting options to satisfy the needs of a variety of users. The standard report option displays data in a tabular presentation that can be printed and exported.

A customized report is available for those who prefer more control over the content displayed. This report can be personalized with a company name, address, and logo, if desired. Summary rows can be added for displaying a total, minimum, maximum, average, or weighted average value for a selected log type, and configuration parameters such as pipe size, plate size, and contract hour can be added to the report header. Custom report selections are easily saved in a template for reuse.

DOWNLOAD SOFTWARE

To download ScanData Manager software, go to <https://www.sensia.com/measurement/flow-computers-and-automation>. Then click on the flow computer model to access its software.

Contact Sensia for a demonstration of the ScanData Manager software or to learn more about how Scanner flow computers can help you automate flow measurement and control.