

# SDS 8120/SDS 8140

Provides the hardware and software needed to meet industry standards for temperature uniformity surveys by logging and generating reports that address the **AMS 2750 E** and **CQI-9** specifications



## Multi-Channel Data Logger

The portable and rugged data logger is easy to use and addresses the many industrial applications where logging, trending, and reporting are required. The SDS is available in either the 20 or 40 channel versions with user-defined inputs for each channel. The SDS includes software for managing surveys and generating custom reports based on survey results.

7" VGA Color Touch Screen

### SDS Specifications

- Built for industrial environments
- Designed specifically for temperature uniformity surveys
- Meets AMS 2750 E recording and reporting requirements
- AC (90 - 240 V) and DC power
- Approximately 12 hours of battery life
- Dimensions: 16"D X 20"L X 8"H
- Password protected menu options
- User defined logging intervals
- Easy calibration
- Web browser enabled for real-time view
- Ethernet and USB connection to PC

### Color Touch Screen

Start	End	Template
8/17/2009 12:49:18 PM	8/17/2009 1:35:28 PM	Demo Template 2
8/17/2009 9:29:08 AM	8/17/2009 12:44:02 PM	Demo Template 2
8/17/2009 9:20:55 AM	8/17/2009 9:28:33 AM	Demo Template 2

Active

Chart      Go Back

View all run surveys

Parameter	Value
Operator	Operator 2
Tolerance	2.0
TC Spool Number	TCSPSN2
TC Correction	0.3
Active T/Cs	1, 2, 3, 4, 5, 6, 7, 8, 9
Controller Manufacturer	Super Systems, inc.
Controller Model	7EK
Instrument Type	

Notes      Template for testing

OK      Edit      Cancel

Enter and edit all furnace survey report information

# Industrial SDS Features

- Standard report format meeting AMS 2750 E temperature uniformity survey reporting requirements
- Real-time calculated survey performance parameters
- Displays corrected values incorporating TC and instrument correction factors
- Survey data viewer
- Configuration and calibration screens
- Password protected screens
- Real-time data view
- User selectable control TC input channels
- Tolerance deviation alarm and history
- Automatic software updates available over the Internet at no charge
- User defined reports to meet company specific and industry standards
- 800 x 480 VGA Color Touch Screen

## Color Touch Screen

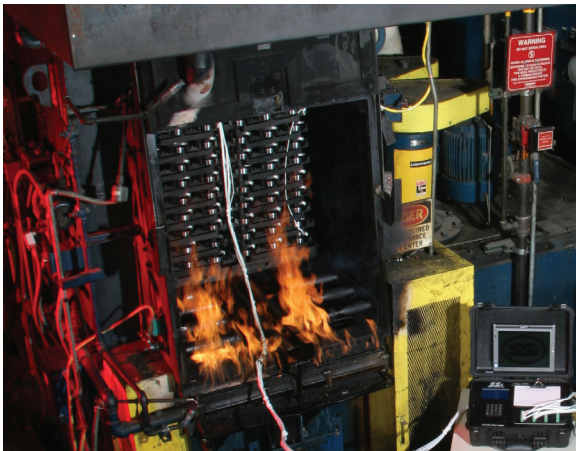


On board charting with pan, zoom and jump functions

The screenshot shows a table with columns for 'In 1', '2', '3', and '4'. The data rows show values like 1500.0, 1500.7, open, open, etc. Below the table, it says 'Run time: 7 minutes Min Div: 1 (0.0) Max Div: 6 (1501.7) Time in band: 2 minutes Min T/C: 1499.6, Max T/C: 1500.9, Span: 1.3'. At the bottom, there are buttons for 'Menu' and 'Chart'.

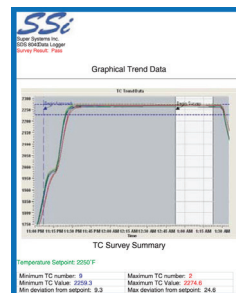
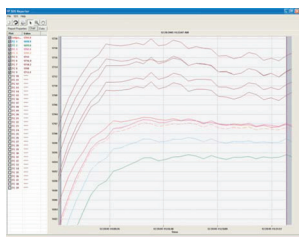
In 1	2	3	4
5 1500.0	1500.7	open	open
4 1499.6	1500.2	open	open
3 1499.6	1500.1	open	open
2 1499.7	1500.3	open	open
1 1500.2	1500.9	open	open

Tabular view with survey run time, minimum TC, maximum TC, and time in tolerance



## AMS 2750 E Compliant

The easy to use Survey Template and Report Manager provides users with all the necessary tools to generate uniformity reports. The Report Manager includes a report writer that enables the user to set up reports to meet their specific requirements. The Template Manager allows survey specific data to be created, updated and used during the reporting process. All reports can be printed, saved electronically and e-mailed using the software utilities. The SDS software tools, along with the data logger, combine to create a powerful solution for data logging and reporting temperature uniformity surveys.



A screenshot of a survey information report. It includes fields for 'Survey Information', 'Temperature Uniformity', and 'Survey Results'. The report is titled 'SSi' and 'Temperature Uniformity Report'.

A screenshot of a temperature uniformity report. It includes fields for 'Survey Information', 'Temperature Uniformity', and 'Survey Results'. The report is titled 'SSi' and 'Temperature Uniformity Report'.



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