

SSN Series Data Loggers

Measuring and Storing Readings from Various Sensors



New Design



Data Analysis Software



High Quality



Versatile



Low Cost



Easy to Use



SSN-20/21/22/23

Humidity, Temperature and Dew Point Data Logger with USB Interface

INTRODUCTIONS

This data logger measures and stores up to 32,000 humidity(0 to 100%RH) and temperature(-35 to 80°C (-31~176°F)) readings. Especially, dew point and more professional applications can be provided by the unique PC software DGraph™. Logger status, alarm indication and low battery indication are via flashing red/green LED and yellow LED. The button on housing can be used to start logging or confirm and clear LED alarm.

APPLICATIONS

This data logger is used mainly to monitor and verify humidity&temperature-sensitive goods, equipment or areas. Example:

- Cold Chain
- Refrigeration
- HVAC
- Food&Pharmaceutical
- Transportations

KEY FEATURES

- Portable, compact and low cost
- Easy to use
- Unique and uniform PC control software: DGraph
- USB interface directly communicate with PC for setup and data download
- Each unit has single serial number
- User can set access password for each data logger
- Two point calibration for each channel
- Start logging method: Immediately, Button, Start at
- Dew point calculated via software
- Long Battery Life: Approx. 3 years @ 1minute sample rate
- Replaceable lithium battery and data is not lost if exhausted
- Alarm and status indication via LED
- Enhanced design make it reliable and stable

SPECIFICATIONS

		SSN-20	SSN-21	SSN-22	SSN-23
Relative Humidity	Measurement Range	0 to 100%RH	0 to 100%RH	0 to 100%RH	0 to 100%RH
	Accuracy(Typ.)	±3%RH	±2%RH	±3%RH	±2%RH
	Resolution(Typ.)	0.1%RH	0.1%RH	0.1%RH	0.1%RH
Temperature	Measurement Range	-35 to 80°C (-31 to 176°F)	-35 to 80°C (-31 to 176°F)	-35 to 80°C (-31 to 176°F)	-35 to 80°C (-31 to 176°F)
	Accuracy(Typ.)	±0.3°C(±0.5°F)	±0.3°C(±0.5°F)	±0.3°C(±0.5°F)	±0.3°C(±0.5°F)
	Resolution(Typ.)	0.1 °C(0.2 °F)	0.1 °C(0.2 °F)	0.1 °C(0.2 °F)	0.1 °C(0.2 °F)
LCD				●	●
Memory Capacity		64KBytes(Total 32,000 readings for all channels)			
Sample Rate		User selectable from once every 10 seconds to once every 12 hours			
PC Software		DGraphsoftware and USB driver required (Included in CD)			
Power Supply		User replaceable 1/2AA 3.6V Lithium Battery, 1200mAh			
Battery Life		Approx. 3 Years @ 1 Minute Sample Rate			
Case Material		ABS, TPU, PC			
Dimensions		123mm×37mm×23mm(4.8"×1.5"×0.9")			
Weight		Approx. 80 grams(2.82 oz)			



DGraph™ Software

CE RoHS

ORDER INFORMATION

Data Logger Standard Kit: Data logger, CD with USB driver and DGraph™ Software, Quick Start Guide, 1/2 AA 3.6V Lithium Battery

Part #: SSN-20/21/22/23



INTRODUCTIONS

This data logger measures and stores up to 32,000 temperature(-35 to 80°C(-31~176°F)) readings. Especially, more professional applications can be provided by the unique PC software DGraph™. Logger status, alarm indication and low battery indication are via flashing red/green LED and yellow LED. The button on housing can be used to start logging or confirm and clear LED alarm.

APPLICATIONS

This data logger is used mainly to monitor and verify temperature-sensitive goods, equipment or areas.
Example:

- Cold Chain
- Refrigeration
- HVAC
- Food&Pharmaceutical
- Transportations

KEY FEATURES

- Portable, compact and low cost
- Easy to use
- Unique and uniform PC control software: DGraph
- USB interface directly communicate with PC for setup and data download
- Each unit has single serial number
- User can set access password for each data logger
- Two point calibration for each channel
- Start logging method: Immediately, Button, Start at
- Long Battery Life: Approx. 3 years @ 1minute sample rate
- Replaceable lithium battery and data is not lost if exhausted
- Alarm and status indication via LED
- Enhanced design make it reliable and stable

SPECIFICATIONS

		SSN-10	SSN-11
Temperature	Measurement Range	-35 to 80°C (-31 to 176°F)	-35 to 80°C (-31 to 176°F)
	Accuracy(Typ.)	±0.5°C(±0.9°F)	±0.5°C(±0.9°F)
	Resolution(Typ.)	0.1°C(0.2°F)	0.1°C(0.2°F)
LCD			●
Memory Capacity		64KBytes(Total 32,000 readings)	
Sample Rate		User selectable from once every 10 seconds to once every 12 hours	
PC Software		DGraphsoftware and USB driver required (Included in CD)	
Power Supply		User replaceable 1/2AA 3.6V Lithium Battery, 1200mAh	
Battery Life		Approx. 3 Years @ 1 Minute Sample Rate	
Case Material		ABS, TPU, PC	
Dimensions		123mm×37mm×23mm(4.8"×1.5"×0.9")	
Weight		Approx. 80 grams(2.82oz)	



DGraph™ Software

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ORDER INFORMATION

Data Logger Standard Kit: Data logger, CD with USB driver and DGraph™ Software, Quick Start Guide, 1/2 AA 3.6V Lithium Battery

Part #: SSN-10/11



SSN-30/31

DC Voltage(Process Signal) Data Logger with USB Interface

INTRODUCTIONS

This data logger measures and stores up to 32,000 DC Voltage readings. Especially, more professional applications can be provided by the unique PC software DGraph™. Logger status, alarm indication and low battery indication are via flashing red/green LED and yellow LED. The button on housing can be used to start logging or confirm and clear LED alarm.

APPLICATIONS

- Manufacturing or Processing Plant Audit
- Plant Systems Verification
- Quality Assurance
- Shock, Flow, and/or Vibration Monitoring
- System Profiling
- Industrial&Food

KEY FEATURES

- Portable, compact and low cost
- Easy to use
- Unique and uniform PC control software: DGraph
- USB interface directly communicate with PC for setup and data download
- Each unit has single serial number
- User can set access password fo each data logger
- Two point calibration for each channel
- Start logging method: Immediately, Button, Start at
- Long Battery Life: Approx. 3 years @ 1minute sample rate
- Replaceable lithium battery and data is not lost if exhausted
- Alarm and status indication via LED
- Enhanced design make it reliable and stable



DGraph™ Software

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ORDER INFORMATION

Data Logger Standard Kit: Data logger, CD with USB driver and DGraph™ Software, Quick Start Guide, 1/2 AA 3.6V Lithium Battery

Part #: SSN-30/31

SPECIFICATIONS

		SSN-30	SSN-31
DC Voltage	Measurement Range	0 to 30V (0 to 3V, 5V, 10V, 12V and 24V etc. can be customized) *	
	Accuracy	± 1%	
	Resolution	40mV (For 0 to 30V range)	
LCD			●
Memory Capacity		64KBytes(Total 32,000 readings)	
Sample Rate		User selectable from once every 10 seconds to once every 12 hours	
PC Software		DGraph software and USB driver required (Included in CD)	
Power Supply		User replaceable 1/2AA 3.6V Lithium Battery,1200mAh	
Battery Life		Approx. 3 Years @ 1 Minute Sample Rate	
Case Material		ABS, TPU, PC	
Operating Temperature Range		-35 to 80℃(-31 to 176℉)	
Dimentions		130mm× 37mm× 23mm(5.1"× 1.5"× 0.9")	
Weight		Approx. 80 grams(2.82 oz)	

* If you need other measured ranges, please contact us for help.



SSN-40/41

Current Loop(Process Signal) Data Logger with USB Interface

INTRODUCTIONS

This data logger measures and stores up to 32,000 DC Current readings. Especially, more professional applications can be provided by the unique PC software DGraph™. Logger status, alarm indication and low battery indication are via flashing red/green LED and yellow LED. The button on housing can be used to start logging or confirm and clear LED alarm.

APPLICATIONS

- Manufacturing or Processing Plant Audit
- Plant Systems Verification
- Quality Assurance
- Shock, Flow, and/or Vibration Monitoring
- System Profiling
- Industrial&Food

KEY FEATURES

- Portable, compact and low cost
- Easy to use
- Unique and uniform PC control software: DGraph
- USB interface directly communicate with PC for setup and data download
- Each unit has single serial number
- User can set access password for each data logger
- Two point calibration for each channel
- Start logging method: Immediately, Button, Start at
- Long Battery Life: Approx. 3 years @ 1minute sample rate
- Replaceable lithium battery and data is not lost if exhausted
- Alarm and status indication via LED
- Enhanced design make it reliable and stable



DGraph™ Software

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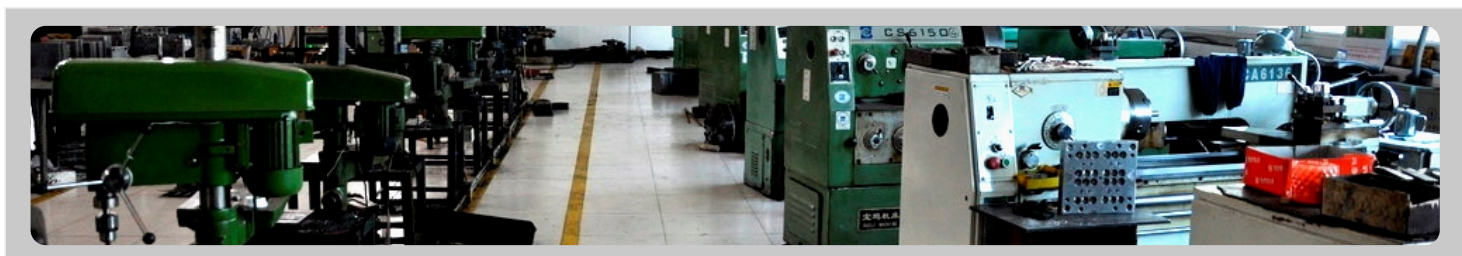
Data Logger Standard Kit: Data logger, CD with USB driver and DGraph™ Software, Quick Start Guide, 1/2 AA 3.6V Lithium Battery

Part #: SSN-40/41

SPECIFICATIONS

		SSN-40	SSN-41
Current Loop	Measurement Range	4 to 20mA (0 to 20mA can be customized)*	
	Accuracy	±1%±1 digit	
	Resolution	0.05mA	
LCD			●
Memory Capacity		64KBytes(Total 32,000 readings)	
Sample Rate		User selectable from once every 10 seconds to once every 12 hours	
PC Software		DGraph software and USB driver required (Included in CD)	
Power Supply		User replaceable 1/2AA 3.6V Lithium Battery,1200mAh	
Battery Life		Approx. 3 Years @ 1 Minute Sample Rate	
Case Material		ABS, TPU, PC	
Operating Temperature Range		-35 to 80°C(-31 to 176°F)	
Dimensions		130mm×37mm×23mm(5.1×1.5×0.9")	
Weight		Approx. 80 grams(2.82 oz)	

* If you need 0-20mA range, please contact us for help.

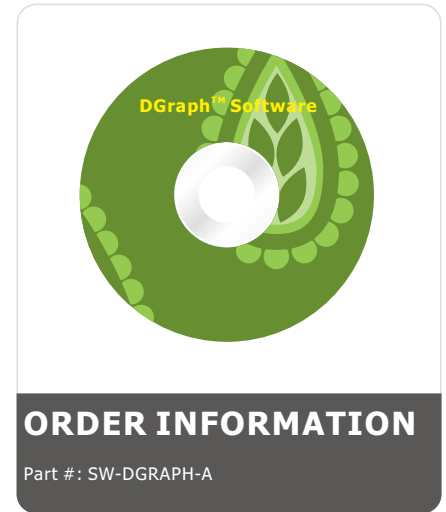


INTRODUCTIONS

The DGraph is the trade mark of PC control software applied to all data loggers. This new software is adequate for your basic or professional tasks. For your more requirement, it is your best assistant. User use it to set up, download data, graph and analyse for various data loggers which measure and store various parameters, and it also can deal with these data in a graph simultaneously and so easily.

KEY FEATURES

- Multi-files and Multi-parameters can be graphed and analysed simultaneously and so easily
- User can create more new unit which is used to reset unit for data from various loggers
- User can edit formula to create new graph line (Named as compound line)
- View various statistics easily
- All settings can be saved in a template file and use it anytime
- Zoom and pan easily, especially, use mouse middle-button to move graph line flexibly
- Two color mode: color and monochrome
- User can customize view interface(Including: Legend, graph line, grid line, font, axis, color)
- Data files can be saved as other file format(Including: txt, csv, xls, bmp, jpg)
- Support customized printing
- Data point can be showed or hid(Mark function)



For Advanced Users

Compound Line

Unit Conversions

Graph Settings

Files from Different Data Loggers Viewed in A Graph

View various statistics easily

Two or More Measurement Parameters Can Be Viewed in A Graph

