

# SSi Super Systems Inc.

Product Manual - Model DP2000 Portable Dew Point Analyzer

## Model DP 2000



- ( )
- /
- /
- 

—

: -50 to +80°F (-47 to +27°C)  
: 0 to 120°F (-18 to +49°C)  
: 115/240 VAC 60Hz  
: LED Digital  
: +/- 1°F (+/- 0.1°C)  
: 4 –20 mA ( )  
: 12 V  
: 8  
( ): 11" x 10" x 7"  
: 8.2 lb. (3.7 kg.)

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Super System Inc. DP2000

DP2000  
SSi

, DP2000

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- 
- 4 65-80°F(18.3~26.7°C)
- SSi
- , "battery low" 가
- , SO<sub>3</sub>, HCL 가
- 

. SSi

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DP2000 SSi

0  
가

---

DP2000

가 가

2~3 DP2000

가 가

. **in-line filter (P/N 31033 or equivalent)**

가

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( )  
Cubic Feet per Hour) . 가 1.0 SCFH  
1.5 ~2.0 SCFH(Standard  
가 1.0 SCFH  
DP2000

SSi  
가  
:가  
SSi 가 (P/N:20263)  
Probe( ) "burn-Off"  
Gold

가 ( 가 ) :가 가  
1.5~2.0SCFH 가 가 가

**NOTE:**

가-  
가 가 가 T-  
(RH)  
LED

/ -  
DP2000  
가 "Sensor Temp"

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140° F (60°C)

가  
가  
가

DP2000

SSi

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6

SSi

, NIST

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DP2000

(Part Number 31030- )

SSi

(R.H.%)

11.3% R.H

75.3% R.H.

가

1.0

1.1 DP2000

DP2000

1"(2.54cm)

가

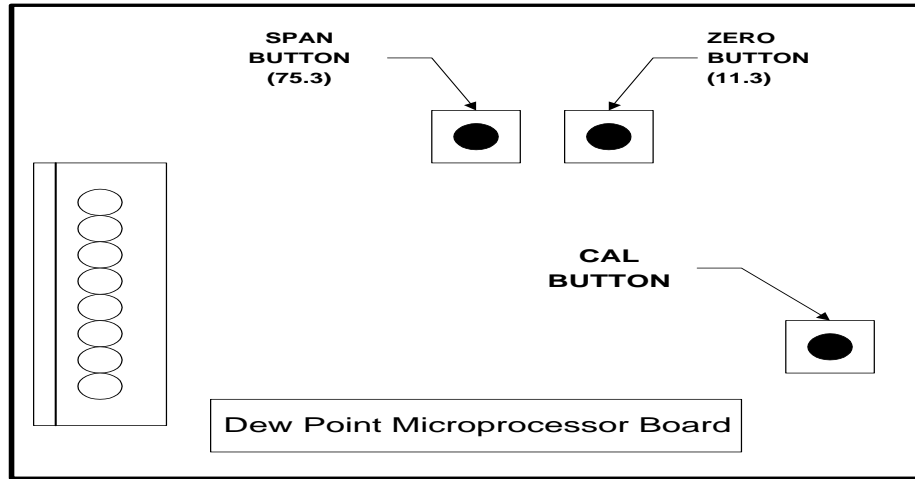
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## 2.0

### 2.1

가 2 "75.3%" "11.3%"  
가 (Calibrate) 가  
..



### 2.2

(Barb)  
( )가

### 2.3

## 3.0

### 3.1

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- 4.0 75.3% .
- 4.1 .
  - 가 O-ring .
  - ( ) .
  - , 가 .
- 4.2 75.3% 가 .
- 5.0 가 .
- 5.1 18 ( ) .
- 6.0 75.3%(Span) .
- 6.1 18 .
- 6.2 "75.3%" " " .
- 7.0 75.3%(Span) .
- 7.1 75.3 가 .
- 7.2 "Sensor Temp" .

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7.3 " " A  
B ( ) .

7.4 "75.3%"  
DP2000 .

8.0 .

8.1 A ,  
가 . SSi  
+/-1 . SSi  
+/-1 가  
가 .

NOTE: DP2000 1/10  
64.50 ~ 65.49°F 65°F

9.0 가 .

9.1 75.3% (Span) , .

9.2 가 가  
가  
2~3 .

10.0 11.3% .

10.1 11.3% 가  
/ .

10.2 .



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11.0

11.1 가 24  
( )

12.0 11.3%(Zero)

12.1 24 ,

12.2 "11.3" " "

13.0 11.3%(zero)

13.1 가 11.3 가

13.2 "Sensor Temp"

13.3 " A  
" , B ( )

13.4 "11.3%"  
DP2000

14.0

14.1 A ,  
가 . SSi  
+/-1 . SSi  
+/-1 가  
가 .

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NOTE: DP2000

1/10

18°F

17.50 ~ 18.49°F

15.0 가

15.1 11.3%(zero)

15.2 가

가  
2~3

16.0

16.1 가

( 3 가 ) 가  
( 가 가 )

16.2 가 가

16.3

16.4

가

가 "0"

16.5

가

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17.0

DP2000

## DP2000 -

DP2000 12V

8

.( ,  
.)

가 가  
"Batttery Low"

1~2

가

16

가

가

"Recharging"

110VAC

## SSi -

SSi

DP2000

SSi

RMA

Agent DICS

**Super Systems, Inc.**  
**ATTN: RMA #XXXX**  
**7205 Edington Drive**  
**Cincinnati, OH 45249**

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DP2000

가

::

Description	Part Number
	13045
	31030
	31033
	31037
	31038
	31501
	33018
	36033
	37119
( )	A20104
	20192
(Wand and Valves)	20263

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## **APPENDIX "A" –**

( )

Temp (°F)	Percent RH	
	11.3%	75.3%
69.00	12.94	60.86
69.10	13.01	60.96
69.20	13.09	61.06
69.30	13.17	61.16
69.40	13.25	61.25
69.50	13.33	61.35
69.60	13.40	61.45
69.70	13.48	61.54
69.80	13.56	61.64
69.90	13.63	61.74
70.00	13.71	61.83
70.10	13.79	61.93
70.20	13.87	62.03
70.30	13.95	62.12
70.40	14.02	62.22
70.50	14.10	62.32
70.60	14.18	62.41
70.70	14.26	62.51
70.80	14.33	62.60
70.90	14.41	62.70
71.00	14.49	62.80
71.10	14.57	62.89
71.20	14.65	62.99
71.30	14.72	63.09
71.40	14.80	63.18
71.50	14.88	63.28
71.60	14.96	63.38
71.70	15.03	63.47
71.80	15.11	63.57
71.90	15.19	63.67
72.00	15.27	63.76
72.10	15.34	63.86
72.20	15.42	63.96
72.30	15.50	64.05
72.40	15.58	64.15
72.50	15.65	64.25
72.60	15.73	64.34

Temp (°F)	Percent RH	
	11.3%	75.3%
72.70	15.81	64.44
72.80	15.89	64.54
72.90	15.97	64.63
73.00	16.04	64.73
73.10	16.12	64.82
73.20	16.20	64.92
73.30	16.28	65.02
73.40	16.35	65.11
73.50	16.43	65.21
73.60	16.51	65.31
73.70	16.59	65.40
73.80	16.66	65.50
73.90	16.74	65.60
74.00	16.82	65.69
74.10	16.90	65.79
74.20	16.97	65.89
74.30	17.05	65.98
74.40	17.13	66.08
74.50	17.21	66.18
74.60	17.28	66.27
74.70	17.36	66.37
74.80	17.44	66.47
74.90	17.52	66.56
75.00	17.59	66.66
75.10	17.67	66.76
75.20	17.75	66.85
75.30	17.83	66.95
75.40	17.90	67.04
75.50	17.98	67.14
75.60	18.06	67.24
75.70	18.14	67.33
75.80	18.21	67.43
75.90	18.29	67.53
76.00	18.37	67.62
76.10	18.44	67.72
76.20	18.52	67.82
76.30	18.60	67.91

Temp (°F)	Percent RH	
	11.3%	75.3%
76.40	18.68	68.01
76.50	18.75	68.11
76.60	18.83	68.20
76.70	18.91	68.30
76.80	18.99	68.40
76.90	19.06	68.49
77.00	19.14	68.59
77.10	19.22	68.69
77.20	19.30	68.78
77.30	19.37	68.88
77.40	19.45	68.97
77.50	19.53	69.07
77.60	19.61	69.17
77.70	19.68	69.26
77.80	19.76	69.36
77.90	19.84	69.46
78.00	19.91	69.55
78.10	19.99	69.65
78.20	20.07	69.75
78.30	20.14	69.84
78.40	20.22	69.94
78.50	20.30	70.04
78.60	20.38	70.13
78.70	20.46	70.23
78.80	20.53	70.33
78.90	20.61	70.42
79.00	20.69	70.52
79.10	20.76	70.61
79.20	20.84	70.71
79.30	20.92	70.81
79.40	21.00	70.90
79.50	21.07	71.00
79.60	21.15	71.10
79.70	21.23	71.19
79.80	21.31	71.29
79.90	21.38	71.39
80.00	21.46	71.48

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### **APPENDIX "B" –**

( )

Temp (°C)	Percent RH	
	11.3%	75.3%
20.56	-10.59	16.03
20.61	-10.55	16.09
20.67	-10.51	16.14
20.72	-10.46	16.20
20.78	-10.42	16.25
20.83	-10.37	16.31
20.89	-10.33	16.36
20.94	-10.29	16.41
21.00	-10.24	16.47
21.06	-10.21	16.52
21.11	-10.16	16.57
21.17	-10.12	16.63
21.22	-10.07	16.68
21.28	-10.03	16.73
21.33	-9.99	16.79
21.39	-9.94	16.84
21.44	-9.90	16.89
21.50	-9.86	16.95
21.56	-9.82	17.00
21.61	-9.77	17.06
21.67	-9.73	17.11
21.72	-9.68	17.16
21.78	-9.64	17.22
21.83	-9.60	17.27
21.89	-9.56	17.32
21.94	-9.51	17.38
22.00	-9.47	17.43
22.06	-9.43	17.48
22.11	-9.38	17.54
22.17	-9.34	17.59
22.22	-9.29	17.64
22.28	-9.26	17.70
22.33	-9.21	17.76
22.39	-9.17	17.81
22.44	-9.12	17.86
22.50	-9.08	17.92
22.56	-9.04	17.97

Temp (°C)	Percent RH	
	11.3%	75.3%
22.61	-8.99	18.02
22.67	-8.95	18.08
22.72	-8.91	18.13
22.78	-8.87	18.18
22.83	-8.82	18.23
22.89	-8.78	18.29
22.94	-8.73	18.34
23.00	-8.69	18.39
23.06	-8.65	18.45
23.11	-8.61	18.51
23.17	-8.56	18.56
23.22	-8.52	18.61
23.28	-8.48	18.67
23.33	-8.43	18.72
23.39	-8.39	18.77
23.44	-8.35	18.83
23.50	-8.31	18.88
23.56	-8.26	18.93
23.61	-8.22	18.99
23.67	-8.18	19.04
23.72	-8.13	19.09
23.78	-8.09	19.15
23.83	-8.04	19.20
23.89	-8.01	19.26
23.94	-7.96	19.31
24.00	-7.92	19.36
24.06	-7.87	19.42
24.11	-7.83	19.47
24.17	-7.79	19.52
24.22	-7.74	19.58
24.28	-7.70	19.63
24.33	-7.66	19.68
24.39	-7.62	19.74
24.44	-7.57	19.79
24.50	-7.53	19.84
24.56	-7.49	19.90
24.61	-7.44	19.95

Temp (°C)	Percent RH	
	11.3%	75.3%
24.67	-7.40	20.01
24.72	-7.36	20.06
24.78	-7.32	20.11
24.83	-7.27	20.17
24.89	-7.23	20.22
24.94	-7.19	20.27
25.00	-7.14	20.33
25.06	-7.10	20.38
25.11	-7.06	20.43
25.17	-7.02	20.49
25.22	-6.97	20.54
25.28	-6.93	20.59
25.33	-6.88	20.65
25.39	-6.84	20.70
25.44	-6.80	20.76
25.50	-6.76	20.81
25.56	-6.72	20.86
25.61	-6.67	20.92
25.67	-6.63	20.97
25.72	-6.59	21.02
25.78	-6.54	21.08
25.83	-6.50	21.13
25.89	-6.46	21.18
25.94	-6.41	21.24
26.00	-6.37	21.29
26.06	-6.33	21.34
26.11	-6.28	21.40
26.17	-6.24	21.45
26.22	-6.20	21.51
26.28	-6.16	21.56
26.33	-6.11	21.61
26.39	-6.07	21.67
26.44	-6.03	21.72
26.50	-5.98	21.77
26.56	-5.94	21.83
26.61	-5.90	21.88
26.67	-5.86	21.93

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## REVISION HISTORY –

<b>Rev.</b>	<b>Description</b>	<b>Date</b>
A	Initial Release	04-24-2001
B	Added Revision History Page	07-11-2001
C	Updated calibration information, added warnings	06-26-2002
D	Revised Warnings. MCO# - 2030	06-16-2003
E	SSi address update, general update	04-12-2005