

Title	cp12	cp12a	cp12sp
Timestamp	09/03/23 08:40:39	09/03/23 08:43:18	09/03/23 08:45:40
Mode	Soil	Soil	Soil
Sensor	TR-3	TR-3	TR-3
Power Mode	High	High	High
Read Time	One Minute	One Minute	One Minute
K (W/m•K)	1.1341	1.0456	0.6749
Rho (°C•cm/W)	88.176	95.641	148.172
C (MJ/m³•K)	**	**	**
D (mm²/s)	**	**	**
Syx	0.0013	0.0014	0.0004
Power (W/m)	3.64	3.64	3.65
Teq1	16.93	17.02	18.28
Teq2	16.93	17.02	18.28
Teq3	16.93	17.02	18.28
Teq4	16.93	17.02	18.28
Teq5	16.92	17.01	18.28
Teq6	16.92	17.01	18.28
Teq7	16.92	17.01	18.29
Teq8	16.92	17.01	18.29
Teq9	16.92	17.00	18.29
Teq10	16.92	17.00	18.29
Teq11	16.91	17.00	18.29
Teq12	16.91	17.00	18.29
Teq13	16.91	16.99	18.29
Teq14	16.91	16.99	18.29
Teq15	16.91	16.99	18.29
Teq16	16.91	16.99	18.29
Teq17	16.91	16.98	18.29
Teq18	16.91	16.98	18.30
Teq19	16.90	16.98	18.30
Teq20	16.90	16.98	18.30
Teq21	16.90	16.98	18.30
Teq22	16.90	16.97	18.30
Teq23	16.90	16.97	18.30
Teq24	16.90	16.97	18.30
Teq25	16.90	16.97	18.30
Teq26	16.90	16.97	18.30
Teq27	16.90	16.97	18.30
Teq28	16.89	16.96	18.30
Teq29	16.89	16.96	18.31
Teq30	16.89	16.96	18.31
T1	17.23	17.29	18.67
T2	17.31	17.38	18.81
T3	17.37	17.44	18.93
T4	17.42	17.49	19.02
T5	17.46	17.53	19.09

T6	17.49	17.56	19.16
T7	17.52	17.58	19.22
T8	17.55	17.61	19.27
T9	17.57	17.63	19.32
T10	17.59	17.65	19.37
T11	17.60	17.67	19.41
T12	17.62	17.68	19.45
T13	17.64	17.70	19.49
T14	17.65	17.71	19.52
T15	17.66	17.72	19.55
T16	17.68	17.73	19.58
T17	17.69	17.74	19.61
T18	17.70	17.75	19.64
T19	17.70	17.76	19.66
T20	17.72	17.77	19.69
T21	17.72	17.78	19.71
T22	17.73	17.79	19.73
T23	17.74	17.79	19.75
T24	17.75	17.80	19.77
T25	17.76	17.81	19.79
T26	17.77	17.81	19.81
T27	17.77	17.82	19.83
T28	17.78	17.83	19.85
T29	17.78	17.84	19.86
T30	17.79	17.84	19.88
T31	17.79	17.85	19.90
T32	17.80	17.85	19.91
T33	17.81	17.85	19.93
T34	17.81	17.86	19.94
T35	17.82	17.86	19.95
T36	17.82	17.87	19.97
T37	17.83	17.88	19.98
T38	17.83	17.88	19.99
T39	17.84	17.88	20.01
T40	17.84	17.89	20.02
T41	17.85	17.89	20.03
T42	17.85	17.90	20.04
T43	17.85	17.90	20.05
T44	17.86	17.90	20.07
T45	17.86	17.90	20.08
T46	17.86	17.91	20.09
T47	17.87	17.91	20.10
T48	17.87	17.92	20.11
T49	17.88	17.92	20.12
T50	17.88	17.93	20.13
T51	17.89	17.92	20.14
T52	17.89	17.93	20.15

T53	17.89	17.93	20.16
T54	17.89	17.93	20.17
T55	17.90	17.93	20.18
T56	17.90	17.94	20.18
T57	17.90	17.94	20.19
T58	17.90	17.94	20.20
T59	17.91	17.95	20.21
T60	17.91	17.95	20.22
Reading Suspect			
Reading Suspect			
Supplied Standard			
Unattended Mode			

ws26	ws26a	ws26sp	cp13
09/03/23 09:30:11	09/03/23 09:33:55	09/03/23 09:37:02	09/03/23 10:14:14
Soil	Soil	Soil	Soil
TR-3	TR-3	TR-3	TR-3
High	High	High	High
One Minute	One Minute	One Minute	One Minute
0.1342	0.1385	0.1388	0.3508
745.125	721.961	720.697	285.090
**	**	**	**
**	**	**	**
0.0083	0.0095	0.0120	0.0019
3.66	3.66	3.65	3.65
17.30	17.42	19.21	16.16
17.29	17.42	19.21	16.16
17.29	17.42	19.22	16.16
17.29	17.42	19.23	16.15
17.29	17.41	19.24	16.15
17.28	17.41	19.24	16.15
17.28	17.40	19.25	16.14
17.28	17.40	19.26	16.14
17.27	17.40	19.27	16.14
17.27	17.40	19.27	16.13
17.27	17.39	19.28	16.13
17.27	17.39	19.29	16.13
17.26	17.39	19.30	16.13
17.26	17.38	19.30	16.12
17.26	17.38	19.31	16.12
17.26	17.38	19.32	16.12
17.26	17.38	19.32	16.12
17.25	17.37	19.33	16.11
17.25	17.37	19.34	16.11
17.25	17.37	19.34	16.11
17.25	17.36	19.35	16.11
17.24	17.36	19.36	16.11
17.24	17.36	19.37	16.10
17.24	17.36	19.37	16.10
17.24	17.35	19.38	16.10
17.24	17.35	19.39	16.10
17.24	17.35	19.39	16.10
17.23	17.35	19.40	16.09
17.23	17.34	19.40	16.09
17.23	17.34	19.41	16.09
17.62	17.73	19.81	16.48
17.83	17.95	20.04	16.68
18.04	18.15	20.26	16.86
18.22	18.34	20.46	17.02
18.40	18.51	20.65	17.17

18.56	18.68	20.84	17.30
18.72	18.85	21.01	17.42
18.87	19.00	21.18	17.53
19.02	19.15	21.34	17.63
19.16	19.29	21.49	17.73
19.29	19.43	21.64	17.81
19.41	19.55	21.78	17.89
19.53	19.68	21.92	17.97
19.65	19.80	22.05	18.04
19.76	19.91	22.17	18.11
19.87	20.03	22.29	18.17
19.97	20.13	22.41	18.23
20.07	20.23	22.52	18.28
20.16	20.33	22.63	18.34
20.25	20.43	22.74	18.39
20.34	20.52	22.84	18.43
20.43	20.61	22.94	18.48
20.51	20.70	23.04	18.52
20.59	20.78	23.13	18.56
20.67	20.86	23.22	18.60
20.74	20.94	23.31	18.63
20.82	21.01	23.39	18.67
20.88	21.09	23.48	18.70
20.95	21.16	23.56	18.74
21.02	21.23	23.64	18.77
21.09	21.29	23.71	18.79
21.15	21.36	23.79	18.82
21.21	21.42	23.86	18.85
21.27	21.48	23.93	18.88
21.33	21.54	24.00	18.90
21.38	21.59	24.06	18.93
21.44	21.65	24.13	18.95
21.49	21.70	24.19	18.97
21.54	21.75	24.26	18.99
21.59	21.80	24.32	19.01
21.64	21.85	24.38	19.04
21.69	21.90	24.43	19.05
21.73	21.95	24.49	19.07
21.78	21.99	24.54	19.09
21.82	22.03	24.60	19.11
21.87	22.08	24.65	19.13
21.91	22.12	24.70	19.15
21.95	22.16	24.75	19.16
21.99	22.19	24.80	19.18
22.03	22.23	24.84	19.19
22.06	22.27	24.89	19.21
22.10	22.30	24.94	19.22

	22.13	22.34	24.98	19.24
	22.17	22.37	25.02	19.25
	22.20	22.41	25.06	19.27
	22.24	22.44	25.10	19.28
	22.27	22.47	25.14	19.30
	22.30	22.50	25.18	19.31
	22.33	22.53	25.22	19.32
	22.36	22.56	25.26	19.33
X	X	X	X	
X	X	X		

cp13a	cp13sp	ws25	ws25a
09/03/23 10:16:53	09/03/23 10:19:39	09/03/23 10:22:30	09/03/23 10:24:56
Soil	Soil	Soil	Soil
TR-3	TR-3	TR-3	TR-3
High	High	High	High
One Minute	One Minute	One Minute	One Minute
0.3201	0.2448	0.6548	1.0121
312.381	408.562	152.717	98.808
**	**	**	**
**	**	**	**
0.0009	0.0087	0.0011	0.0008
3.65	3.65	3.66	3.66
16.42	19.52	16.44	16.39
16.41	19.53	16.43	16.39
16.40	19.53	16.42	16.39
16.40	19.53	16.42	16.38
16.39	19.54	16.41	16.38
16.39	19.54	16.41	16.38
16.38	19.54	16.40	16.38
16.38	19.55	16.40	16.38
16.37	19.55	16.39	16.37
16.37	19.56	16.39	16.37
16.36	19.56	16.38	16.37
16.36	19.56	16.38	16.37
16.35	19.57	16.37	16.37
16.35	19.57	16.37	16.37
16.34	19.57	16.37	16.36
16.34	19.58	16.36	16.36
16.33	19.58	16.36	16.36
16.33	19.58	16.36	16.36
16.33	19.59	16.35	16.36
16.32	19.59	16.35	16.36
16.32	19.59	16.35	16.36
16.31	19.60	16.34	16.35
16.31	19.60	16.34	16.35
16.31	19.61	16.34	16.35
16.30	19.61	16.34	16.35
16.30	19.61	16.33	16.35
16.30	19.62	16.33	16.35
16.29	19.62	16.33	16.35
16.29	19.62	16.33	16.35
16.29	19.62	16.32	16.34
16.67	20.01	16.66	16.68
16.87	20.22	16.74	16.77
17.05	20.41	16.81	16.83
17.21	20.58	16.85	16.88
17.36	20.73	16.89	16.92

17.49	20.88	16.92	16.95
17.61	21.02	16.95	16.98
17.72	21.15	16.97	17.00
17.82	21.27	17.00	17.02
17.92	21.38	17.01	17.04
18.01	21.49	17.03	17.06
18.09	21.59	17.05	17.08
18.16	21.69	17.06	17.09
18.23	21.78	17.08	17.11
18.30	21.86	17.09	17.12
18.36	21.95	17.10	17.13
18.42	22.03	17.11	17.14
18.47	22.10	17.12	17.15
18.52	22.18	17.13	17.16
18.57	22.25	17.14	17.17
18.62	22.31	17.15	17.18
18.66	22.38	17.16	17.19
18.70	22.44	17.17	17.20
18.74	22.50	17.17	17.21
18.78	22.56	17.18	17.22
18.81	22.61	17.19	17.22
18.84	22.67	17.19	17.23
18.88	22.72	17.20	17.24
18.91	22.77	17.21	17.25
18.94	22.82	17.21	17.25
18.96	22.87	17.22	17.26
18.99	22.91	17.23	17.26
19.02	22.96	17.23	17.27
19.04	23.00	17.24	17.28
19.07	23.04	17.24	17.28
19.09	23.08	17.25	17.29
19.11	23.12	17.25	17.29
19.13	23.16	17.26	17.30
19.15	23.20	17.26	17.30
19.18	23.24	17.27	17.30
19.20	23.27	17.27	17.31
19.21	23.31	17.27	17.31
19.23	23.34	17.28	17.32
19.25	23.38	17.28	17.32
19.27	23.41	17.29	17.33
19.28	23.44	17.29	17.33
19.30	23.47	17.29	17.33
19.32	23.50	17.30	17.34
19.33	23.52	17.30	17.34
19.35	23.55	17.31	17.35
19.36	23.58	17.31	17.35
19.38	23.60	17.31	17.35

	19.39	23.63	17.32	17.36
	19.40	23.65	17.32	17.36
	19.42	23.68	17.32	17.36
	19.43	23.70	17.32	17.37
	19.44	23.72	17.33	17.37
	19.46	23.75	17.33	17.37
	19.47	23.77	17.34	17.38
	19.48	23.79	17.34	17.38
X	X	X		
	X			

ws25sp

09/03/23 10:27:39

Soil

TR-3

High

One Minute

0.0954

1048.610

**

**

0.0192

3.66

20.65

20.67

20.69

20.70

20.72

20.73

20.75

20.76

20.77

20.79

20.80

20.81

20.82

20.83

20.85

20.86

20.87

20.88

20.89

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20.97

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20.98

21.38

21.61

21.83

22.03

22.22

22.40
22.57
22.73
22.89
23.03
23.18
23.31
23.44
23.57
23.69
23.81
23.93
24.04
24.16
24.27
24.38
24.49
24.60
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24.81
24.92
25.02
25.12
25.22
25.32
25.41
25.50
25.59
25.68
25.77
25.85
25.93
26.01
26.09
26.17
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26.38
26.45
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26.71
26.77
26.83
26.89
26.95

27.01
27.07
27.12
27.18
27.23
27.28
27.33
27.38

X
X