

# CANNON CCS Settings

CCS 0h

## Instrument Settings :

Instrument ID :	CCS
Configuration ID :	Calibration IDs NON-LT
Instrument Model :	CCS-2100 LT
Serial Number :	1234
Firmware Version :	02.17
Prompt For A Check Standard :	No

## Temperature Probe Information :

Probe ID :	7010
a0 Constant :	1.117763
a1 Constant :	0.253990
a2 Constant :	0.000125273

## Tray (Test) Settings :

Precondition Time :	0 min
Sample Oil Injection Time :	240 s
Injection Temperature :	20.00 C
CCS Cell-CoolDown Time :	180 s
Rotor ON Time for Test :	60 s

## Cell Calibration Constants :

Temperature (C)	B0	B1	B2	Last Calibration Date
- 5	1078	-958	-143	1/7/2021 12:03:09 PM
-10	1078	-958	-143	1/7/2021 12:03:09 PM
-15	1078	-958	-143	1/7/2021 12:03:09 PM
-18	1078	-958	-143	1/7/2021 12:03:09 PM
-20	1078	-958	-143	1/7/2021 12:03:09 PM
-25	1078	-958	-143	1/7/2021 12:03:09 PM
-30	1078	-958	-143	1/7/2021 12:03:09 PM
-35	1078	-958	-143	1/7/2021 12:03:09 PM
-40	1078	-958	-143	1/7/2021 12:03:09 PM

Serial Number = 7010

$$1000/(T + 273) = A0 + A1*\ln(R) + A2*(\ln(R))^3$$

$$A0 = 1.117763$$

$$A1 = 0.253990$$

$$A2 = 0.000125273$$

R(T)	T	T(CALC)	DELTA T
18448	-5.00	-5.001	0.001
23537	-10.00	-10.000	0.000
30262	-15.00	-14.998	-0.002
39235	-20.00	-19.998	-0.002
51317	-25.00	-25.003	0.003
67704	-30.00	-30.002	0.002
90155	-35.00	-34.999	-0.001

RMS (DELTA T) = 0.002