上电后0x21地址码读取0x34 28个字节 ：0000000000000000000000004000000000000000000100 CC 01 11 00 80

0000000000000000000000004000000000000000000100 CD 02 10 00 80

0000000000000000000000004000000000000000000100 CB 01 00 00 80

0000000000000000000000004000000000000000000100 C7 C1 10 00 80

0000000000000000000000004000000000000000000100 C9 C2 10 00 80

读取芯片未校准前的15组室温常压数据：

压力值寄存器地址0x17 3个字节，温度0x1A 2字节

[0]采集的数据 [uid:975218935 setP:50000 setT:20 PACERef:50000 TProbe:20 RAW\_C:3091590 UNCALTempCodes:37630 Tens:20.834375]

[1]采集的数据 [uid:975218935 setP:80000 setT:20 PACERef:80000 TProbe:20 RAW\_C:3091601 UNCALTempCodes:37629 Tens:20.8265625]

[2]采集的数据 [uid:975218935 setP:90000 setT:20 PACERef:90000 TProbe:20 RAW\_C:3091577 UNCALTempCodes:37628 Tens:20.81875]

[3]采集的数据 [uid:975218935 setP:100000 setT:20 PACERef:100000 TProbe:20 RAW\_C:3091564 UNCALTempCodes:37628 Tens:20.81875]

[4]采集的数据 [uid:975218935 setP:110000 setT:20 PACERef:110000 TProbe:20 RAW\_C:3091583 UNCALTempCodes:37629 Tens:20.8265625]

[5]采集的数据 [uid:975218935 setP:50000 setT:40 PACERef:50000 TProbe:40 RAW\_C:3091566 UNCALTempCodes:37627 Tens:20.8109375]

[6]采集的数据 [uid:975218935 setP:80000 setT:40 PACERef:80000 TProbe:40 RAW\_C:3091570 UNCALTempCodes:37626 Tens:20.803125]

[7]采集的数据 [uid:975218935 setP:90000 setT:40 PACERef:90000 TProbe:40 RAW\_C:3091584 UNCALTempCodes:37627 Tens:20.8109375]

[8]采集的数据 [uid:975218935 setP:100000 setT:40 PACERef:100000 TProbe:40 RAW\_C:3091584 UNCALTempCodes:37628 Tens:20.81875]

[9]采集的数据 [uid:975218935 setP:110000 setT:40 PACERef:110000 TProbe:40 RAW\_C:3091573 UNCALTempCodes:37625 Tens:20.7953125]

[10]采集的数据 [uid:975218935 setP:50000 setT:60 PACERef:50000 TProbe:60 RAW\_C:3091559 UNCALTempCodes:37628 Tens:20.81875]

[11]采集的数据 [uid:975218935 setP:80000 setT:60 PACERef:80000 TProbe:60 RAW\_C:3091584 UNCALTempCodes:37626 Tens:20.803125]

[12]采集的数据 [uid:975218935 setP:90000 setT:60 PACERef:90000 TProbe:60 RAW\_C:3091552 UNCALTempCodes:37626 Tens:20.803125]

[13]采集的数据 [uid:975218935 setP:100000 setT:60 PACERef:100000 TProbe:60 RAW\_C:3091572 UNCALTempCodes:37628 Tens:20.81875]

[14]采集的数据 [uid:975218935 setP:110000 setT:60 PACERef:110000 TProbe:60 RAW\_C:3091578 UNCALTempCodes:37625 Tens:20.7953125]

使用上面数据计算的值

校准数据 uid:975218935 b40:0 b31:-2147483648 b30:-2147483648 b22:-2147483648 b21:-2147483648 b20:-2147483648 b12:-2147483648 b11:-2147483648 b10:-2147483648 b02:-2147483648 b01:-2147483648 b00:-2147483648 A:-59200 alpha:-2147483648

寄存器数据 uid:975218935 B5C679F5002F81B7659CC000186ED00E1100F14B0800F40000008032

验证数据：

[0]验证数据 [uid:975218935 setP:50000 setT:20 PACERef:50000 TProbe:20 RAW\_C:3091590 UNCALTempCodes:37630 Tens:20.834375 Press:-135844006.93052375 Residual:-135894006.93052375]

[1]验证数据 [uid:975218935 setP:80000 setT:20 PACERef:80000 TProbe:20 RAW\_C:3091601 UNCALTempCodes:37629 Tens:20.8265625 Press:-135841916.99655968 Residual:-135921916.99655968]

[2]验证数据 [uid:975218935 setP:90000 setT:20 PACERef:90000 TProbe:20 RAW\_C:3091577 UNCALTempCodes:37628 Tens:20.81875 Press:-135846477.90904945 Residual:-135936477.90904945]

[3]验证数据 [uid:975218935 setP:100000 setT:20 PACERef:100000 TProbe:20 RAW\_C:3091564 UNCALTempCodes:37628 Tens:20.81875 Press:-135848948.32402083 Residual:-135948948.32402083]

[4]验证数据 [uid:975218935 setP:110000 setT:20 PACERef:110000 TProbe:20 RAW\_C:3091583 UNCALTempCodes:37629 Tens:20.8265625 Press:-135845337.4253795 Residual:-135955337.4253795]

[5]验证数据 [uid:975218935 setP:50000 setT:40 PACERef:50000 TProbe:40 RAW\_C:3091566 UNCALTempCodes:37627 Tens:20.8109375 Press:-135848568.56967074 Residual:-135898568.56967074]

[6]验证数据 [uid:975218935 setP:80000 setT:40 PACERef:80000 TProbe:40 RAW\_C:3091570 UNCALTempCodes:37626 Tens:20.803125 Press:-135847808.75186807 Residual:-135927808.75186807]

[7]验证数据 [uid:975218935 setP:90000 setT:40 PACERef:90000 TProbe:40 RAW\_C:3091584 UNCALTempCodes:37627 Tens:20.8109375 Press:-135845148.0255937 Residual:-135935148.0255937]

[8]验证数据 [uid:975218935 setP:100000 setT:40 PACERef:100000 TProbe:40 RAW\_C:3091584 UNCALTempCodes:37628 Tens:20.81875 Press:-135845147.71196643 Residual:-135945147.71196643]

[9]验证数据 [uid:975218935 setP:110000 setT:40 PACERef:110000 TProbe:40 RAW\_C:3091573 UNCALTempCodes:37625 Tens:20.7953125 Press:-135847238.9708962 Residual:-135957238.9708962]

[10]验证数据 [uid:975218935 setP:50000 setT:60 PACERef:50000 TProbe:60 RAW\_C:3091559 UNCALTempCodes:37628 Tens:20.81875 Press:-135849898.50057328 Residual:-135899898.50057328]

[11]验证数据 [uid:975218935 setP:80000 setT:60 PACERef:80000 TProbe:60 RAW\_C:3091584 UNCALTempCodes:37626 Tens:20.803125 Press:-135845148.33923668 Residual:-135925148.33923668]

[12]验证数据 [uid:975218935 setP:90000 setT:60 PACERef:90000 TProbe:60 RAW\_C:3091552 UNCALTempCodes:37626 Tens:20.803125 Press:-135851229.3908612 Residual:-135941229.3908612]

[13]验证数据 [uid:975218935 setP:100000 setT:60 PACERef:100000 TProbe:60 RAW\_C:3091572 UNCALTempCodes:37628 Tens:20.81875 Press:-135847428.0611214 Residual:-135947428.0611214]

[14]验证数据 [uid:975218935 setP:110000 setT:60 PACERef:110000 TProbe:60 RAW\_C:3091578 UNCALTempCodes:37625 Tens:20.7953125 Press:-135846288.82070127 Residual:-135956288.82070127]

# 使用测试数据：

[0]采集的数据 [uid:566292789 setP:1000 setT:60 PACERef:1000.068 TProbe:59.93 RAW\_C:4141951 UNCALTempCodes:42144 Tens:56.10]

[1]采集的数据 [uid:566292789 setP:1100 setT:60 PACERef:1099.875 TProbe:59.96 RAW\_C:4498850 UNCALTempCodes:42148 Tens:56.13125]

[2]采集的数据 [uid:566292789 setP:800 setT:60 PACERef:800.084 TProbe:59.77 RAW\_C:3604105 UNCALTempCodes:42134 Tens:56.021875]

[3]采集的数据 [uid:566292789 setP:500 setT:60 PACERef:500.113 TProbe:59.56 RAW\_C:3053623 UNCALTempCodes:42110 Tens:55.834375]

[4]采集的数据 [uid:566292789 setP:900 setT:60 PACERef:900.016 TProbe:59.83 RAW\_C:3849013 UNCALTempCodes:42120 Tens:55.9125]

[5]采集的数据 [uid:566292789 setP:1000 setT:40 PACERef:1000.013 TProbe:39.92 RAW\_C:4131078 UNCALTempCodes:39600 Tens:36.225]

[6]采集的数据 [uid:566292789 setP:1100 setT:40 PACERef:1099.934 TProbe:39.96 RAW\_C:4483630 UNCALTempCodes:39604 Tens:36.25625]

[7]采集的数据 [uid:566292789 setP:800 setT:40 PACERef:800.025 TProbe:39.75 RAW\_C:3599036 UNCALTempCodes:39591 Tens:36.1546875]

[8]采集的数据 [uid:566292789 setP:500 setT:40 PACERef:500.086 TProbe:39.52 RAW\_C:3052867 UNCALTempCodes:39564 Tens:35.94375]

[9]采集的数据 [uid:566292789 setP:900 setT:40 PACERef:900.029 TProbe:39.8 RAW\_C:3841729 UNCALTempCodes:39573 Tens:36.0140625]

[10]采集的数据 [uid:566292789 setP:1000 setT:20 PACERef:999.796 TProbe:19.95 RAW\_C:4118067 UNCALTempCodes:37058 Tens:16.365625]

[11]采集的数据 [uid:566292789 setP:1100 setT:20 PACERef:1099.879 TProbe:19.99 RAW\_C:4465710 UNCALTempCodes:37060 Tens:16.38125]

[12]采集的数据 [uid:566292789 setP:800 setT:20 PACERef:800.026 TProbe:19.76 RAW\_C:3593123 UNCALTempCodes:37045 Tens:16.2640625]

[13]采集的数据 [uid:566292789 setP:500 setT:20 PACERef:500.131 TProbe:19.54 RAW\_C:3051817 UNCALTempCodes:37017 Tens:16.0453125]

[14]采集的数据 [uid:566292789 setP:900 setT:20 PACERef:900.065 TProbe:19.84 RAW\_C:3833226 UNCALTempCodes:37032 Tens:16.1625]

使用测试数据校准计算：

校准数据 uid:566292789 b40:0 b31:13 b30:4781 b22:-16 b21:181 b20:-17197 b12:-172 b11:2916 b10:-221249 b02:303 b01:-3761 b00:104193 A:898 alpha:160

寄存器数据 uid:566292789 6A15A8B4AA938164666F82A0035E6710CE0384583A001F000000807C

寄存器数据 uid:566292789 6A15A8B4AA938164666F82A0035E6710CE0384583A001F000000807C

验证数据

[0]验证数据 [uid:566292789 setP:1000 setT:60 PACERef:1000.068 TProbe:59.93 RAW\_C:4141951 UNCALTempCodes:42144 Tens:56.10 Press:1000.0721820549517 Residual:0.004182054951684222]

[1]验证数据 [uid:566292789 setP:1100 setT:60 PACERef:1099.875 TProbe:59.96 RAW\_C:4498850 UNCALTempCodes:42148 Tens:56.13125 Press:1099.8657636224048 Residual:-0.009236377595243539]

[2]验证数据 [uid:566292789 setP:800 setT:60 PACERef:800.084 TProbe:59.77 RAW\_C:3604105 UNCALTempCodes:42134 Tens:56.021875 Press:800.0806822018644 Residual:-0.003317798135526573]

[3]验证数据 [uid:566292789 setP:500 setT:60 PACERef:500.113 TProbe:59.56 RAW\_C:3053623 UNCALTempCodes:42110 Tens:55.834375 Press:500.0970304227769 Residual:-0.015969577223074793]

[4]验证数据 [uid:566292789 setP:900 setT:60 PACERef:900.016 TProbe:59.83 RAW\_C:3849013 UNCALTempCodes:42120 Tens:55.9125 Press:899.995477827985 Residual:-0.020522172014921125]

[5]验证数据 [uid:566292789 setP:1000 setT:40 PACERef:1000.013 TProbe:39.92 RAW\_C:4131078 UNCALTempCodes:39600 Tens:36.225 Press:1000.0090702403558 Residual:-0.003929759644279329]

[6]验证数据 [uid:566292789 setP:1100 setT:40 PACERef:1099.934 TProbe:39.96 RAW\_C:4483630 UNCALTempCodes:39604 Tens:36.25625 Press:1099.9315741320434 Residual:-0.002425867956617367]

[7]验证数据 [uid:566292789 setP:800 setT:40 PACERef:800.025 TProbe:39.75 RAW\_C:3599036 UNCALTempCodes:39591 Tens:36.1546875 Press:800.0219156398858 Residual:-0.003084360114144147]

[8]验证数据 [uid:566292789 setP:500 setT:40 PACERef:500.086 TProbe:39.52 RAW\_C:3052867 UNCALTempCodes:39564 Tens:35.94375 Press:500.07438662156767 Residual:-0.01161337843234378]

[9]验证数据 [uid:566292789 setP:900 setT:40 PACERef:900.029 TProbe:39.8 RAW\_C:3841729 UNCALTempCodes:39573 Tens:36.0140625 Press:900.0227629392489 Residual:-0.006237060751118406]

[10]验证数据 [uid:566292789 setP:1000 setT:20 PACERef:999.796 TProbe:19.95 RAW\_C:4118067 UNCALTempCodes:37058 Tens:16.365625 Press:999.7942557836801 Residual:-0.0017442163199348215]

[11]验证数据 [uid:566292789 setP:1100 setT:20 PACERef:1099.879 TProbe:19.99 RAW\_C:4465710 UNCALTempCodes:37060 Tens:16.38125 Press:1099.8776556228001 Residual:-0.0013443771997572185]

[12]验证数据 [uid:566292789 setP:800 setT:20 PACERef:800.026 TProbe:19.76 RAW\_C:3593123 UNCALTempCodes:37045 Tens:16.2640625 Press:800.021863905016 Residual:-0.004136094984005467]

[13]验证数据 [uid:566292789 setP:500 setT:20 PACERef:500.131 TProbe:19.54 RAW\_C:3051817 UNCALTempCodes:37017 Tens:16.0453125 Press:500.12357078279695 Residual:-0.007429217203025473]

[14]验证数据 [uid:566292789 setP:900 setT:20 PACERef:900.065 TProbe:19.84 RAW\_C:3833226 UNCALTempCodes:37032 Tens:16.1625 Press:900.0645368368046 Residual:-0.0004631631954907789]

需写入寄存器数据 uid:566292789 6A15A8B4AA938164666F82A0 035E6710CE0384583A001F000000807C

烧写后断电加电从地址码21 34 读取28个字节

[2024/7/10 9:52:55] 6A 15 A8 B4 AA 93 81 64 66 6F 82 A0

43 5E 67 10 CE 03 84 58 3A 01 1F CC0111 80 FC

上电后使用0x21地址码读取0x34 28个字节 ：00 00 00 00 00 00 00 00 00 00 00 00

40 00 00 00 00 00 00 00 00 01 00 CC 01 11 00 80

从 21 40 读取16个字节

[2024/7/10 10:07:58] 43 5E 67 10 CE 03 84 58 3A 01 1F CC 01 11 80 FC