

:{CR510}

;Comments added 7-7-03 for Paul Stockton (NB)

*Table 1 Program

01: 2.0000 Execution Interval (seconds)

1: Pulse (P3) (Pulse channel looking at sensit pc, and ke. Pc is 5 minute trigger)

1: 2 Reps (looks at pulse channel 1 and 2 on logger, pc & ke)

2: 1 Pulse Channel 1 (Starting pulse channel)

3: 0 High Frequency, All Counts

4: 1 Loc [sensit_1]

5: .0001 Mult (required sensit multiplier)

6: 0 Offset

2: Batt Voltage (P10) (Battery voltage to track battery cycles/ problems)

1: 3 Loc [battery]

3: Z=F (P30) (This is our site number. All labled 33333 until in the field then change them actual site number) to

1: 33333 F

2: 0 Exponent of 10

3: 4 Z Loc [site]

4: Timer (P26) (Timer, resets to zero every time pc is detected, starts and ends five minute data collection)

1: 5 Loc [timer]

5: Z=F (P30) (Like site number this is changed in the field depending on what sensit is there. We put this in to keep track of what sensit is where.)

1: 2222 F

2: 0 Exponent of 10

3: 6 Z Loc [snstsnmbr]

6: If time is (P92) (This is the hourly output. It will output the next 6 commands. Time, Site, Date, Time, Battery volt, and Sensit Number)

1: 0 Minutes (Seconds --) into a

2: 60 Interval (same units as above)

3: 10 Set Output Flag High (Flag 0)

7: Resolution (P78)(makes logger able to read numbers above 6999, which all of are site numbers are)

1: 1 High Resolution

8: Sample (P70) (Reading site number and putting it out on the hourly data)

1: 1 Reps

2: 4 Loc [site]

9: Resolution (P78) (logger no longer needs to read large numbers so lowered resolution)

1: 0 Low Resolution

10: Real Time (P77) (recording date and time)

1: 1110 Year,Day,Hour/Minute (midnight = 0000)

11: Average (P71) (averaging the battery voltages for the last hour)

1: 1 Reps

2: 3 Loc [battery]

12: Sample (P70) (recording the sensit serial number)

1: 1 Reps

2: 6 Loc [snstsnmbr]

13: If (X<=>F) (P89) (if there is a pc reading call subroutine one, which starts the 5 minute data collection)

1: 1 X Loc [sensit_1]
2: 3 >=
3: .0001 F
4: 1 Call Subroutine 1

14: If (X<=>F) (P89) (If the timer reaches 5 minutes (3600 seconds) then the logger will stop recording 5 minute data)

1: 5 X Loc [timer]
2: 3 >=
3: 3600 F
4: 21 Set Flag 1 Low

15: If Flag/Port (P91) (If the flag is low i.e. no five minute data the program goes to the end of the program.)

1: 21 Do if Flag 1 is Low
2: 0 Go to end of Program Table

16: If time is (P92)(if the timer time is less than 5 minutes then carryout the next 4 steps)

1: 0 Minutes (Seconds --) into a
2: 5 Interval (same units as above)
3: 10 Set Output Flag High (Flag 0)

17: Real Time (P77) (records time in five minute increments)

1: 0010 Hour/Minute (midnight = 0000)

18: Resolution (P78)

1: 1 High Resolution

19: Average (P71) (averages both the pc and the ke)

1: 2 Repts
2: 1 Loc [sensit_1]

20: Totalize (P72) (totals the pc)

1: 1 Repts
2: 1 Loc [sensit_1]

*Table 2 Program

02: 0.0000 Execution Interval (seconds)

*Table 3 Subroutines

1: Beginning of Subroutine (P85)

1: 1 Subroutine 1

2: Timer (P26) (resets the timer to zero)

1: 0 Reset Timer

3: Do (P86) (starts recording 5 minute data)

1: 11 Set Flag 1 High

4: End (P95)

End Program