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'CR1000
'Created by Short Cut (2.6 (beta))

'Declare Variables and Units
Public BattV
Public particle_counts
Public kinetic_energy

Units BattV=Volts
Units particle_counts=counts
Units kinetic_energy=counts

'Define Data Tables
DataTable(Table1, True, -1)
    DataInterval(0, 10, Min, 10)
    Totalize (1, particle_counts, FP2, False)
    Average(1, particle_counts, FP2, False)
    Totalize (1, kinetic_energy, FP2, False)
    Average(1, kinetic_energy, FP2, False)
EndTable

DataTable(Table2, True, -1)
    DataInterval(0, 1440, Min, 10)
    Minimum(1, BattV, FP2, False, False)
EndTable

'Main Program
BeginProg
    Scan(10, Sec, 1, 0)
        'Default Datalogger Battery Voltage measurement BattV:
        Battery(BattV)
        'Pulse Counter meausrement, particle count:
        PulseCount(particle_counts, 1, 1, 0, 0, 0, 0.0)
        PulseCount(kinetic_energy, 1, 2, 0, 0, 0, 0.0)

        'Call Data Tables and Store Data
        CallTable(Table1)
        CallTable(Table2)
    NextScan
EndProg

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