

Watt Metre Instruction Guide

Tricklestar Plug-in Energy Monitor

Track energy usage and power consumption of appliances and electronics in real-time, displaying data on watts, CO₂ emissions and associated costs.

How to Use?

Step 1: Plug the Tricklestar Plug-in Energy Monitor into a wall outlet.

Step 2: After choosing the appliance or electronic device you want to investigate, plug it into the outlet on the Tricklestar Plug-in Energy Monitor.

Step 3: Watch as your Tricklestar Plug-in Energy Monitor calculates your appliance or electronic device energy use, cost, CO₂ emissions and energy count.

Modes

Energy Mode: By selecting the 'Energy' button, the value displayed is the real-time energy usage of your electronic/appliance when on or off.

Cost Mode: In pressing the 'Cost' button, the total cost of an electronic/appliance over days/months/years can be calculated.

CO₂ Mode: The CO₂ button indicates the amount of CO₂ emissions for an electronic/appliance.



Energy Count Mode: This button allows you to determine total energy consumption or cost

**For additional information on energy count mode and the other modes, please review instruction manual included in each kit.*

Kettle Example:



It's a snowy day outside, and I want to make a cup of hot chocolate. I've been using GreenLearning's Energy Revealed resources to understand my energy consumption and how to be more energy efficient. In learning about energy conservation, I decide that I want to monitor my energy use when it comes to using a kettle to boil water in order to make my hot chocolate. Additionally, I want to understand how much boiling water in my kettle costs and the amount of carbon dioxide that will be released.

It's time to use the TrickleStar Plug-in Energy Monitor to collect all my data!

Kettle Setting: Off

Energy Use

By pressing the 'Energy' button, you can change the setting to day, month or year.



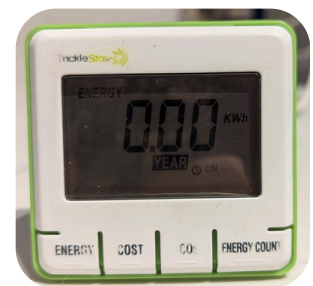
Energy
(watt)



Day
(kw/h)



Month
(kw/h)



Year
(kw/h)

Watt metre guide continued...

Cost (\$)

By pressing the 'Cost' button, you can change the setting to day, month or year.



Cost (\$/hr)



Day (\$)



Month (\$)



Year (\$)

CO2 Emissions

By pressing the 'CO2' button, you can change the setting to day, month or year.



CO2 (kg/hr)



Day (kg)



Month (kg)



Year (kg)

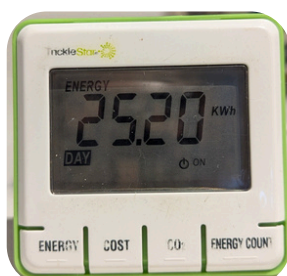
Kettle Setting: On

Energy Use

By pressing the 'Energy' button, you can change the setting to day, month or year.



Energy
(watt)



Day
(kw/h)



Month
(kw/h)



Year
(kw/h)

Watt metre guide continued...

Cost (\$)

By pressing the 'Cost' button, you can change the setting to day, month or year.



Cost (\$/hr)



Day (\$)



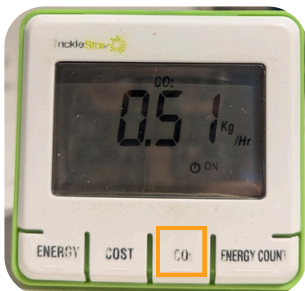
Month (\$)



Year (\$)

CO2 Emissions

By pressing the 'CO2' button, you can change the setting to day, month or year.



CO2 (kg/hr)



Day (kg)



Month (kg)



Year (kg)

Electrical Energy Calculators

Step 1

Choose Your Location!

The economic and environmental impact of our electricity use depends on a variety of interconnected factors, such as how your electricity is generated, your electricity supplier, time of year and whether you live in a rural or urban location. Click on your province or territory to get started.



Alberta
Calculator



British Columbia
Calculator



Manitoba
Calculator



New Brunswick
Calculator



Newfoundland
and Labrador



Northwest
Territories
Calculator



Nova Scotia
Calculator



Nunavut
Calculator



Ontario
Calculator



Prince Edward
Island Calculator



Quebec
Calculator



Saskatchewan
Calculator



Yukon
Calculator

Electrical Energy Calculators continued...

Step 2

Input number of Watts of your appliance or electronic device and the number of minutes a day it is used.

Example: Hairdryer - when plugged in and turned on the highest heat, the number of Watts produced is 992W.

Watts: <input type="text" value="992"/>		
Minutes per day used: <input type="text" value="15"/>		
CALCULATE YEARLY ENERGY USE		
Electricity (kWh/year)	Environment (GHG/year)	Cost (\$/year)
<i>Results shown here</i>	<i>Results shown here</i>	<i>Results shown here</i>

Step 3

Click "Calculate Yearly Energy Use." Values for the amount of electricity used (kWh/year), greenhouse gases emitted (GHG/year) and total cost of electricity (\$/year) will be displayed.

Example: Hairdryer - when plugged in and turned on the highest heat, the number of Watts produced is 992W.

Watts: <input type="text" value="992"/>		
Minutes per day used: <input type="text" value="15"/>		
CALCULATE YEARLY ENERGY USE		
Electricity (kWh/year)	Environment (GHG/year)	Cost (\$/year)
91 kilowatt hours per year	2548 grams of GHG produced per year	Off-peak \$ 6.73 cost of electricity per year Mid-peak \$ 9.28 cost of electricity per year On-peak \$ 13.74 cost of electricity per year