

True Cost

Intelligent Electricity Measurement System

User Guide

Thank you for purchasing TrueCost
power consumption analyzer

We hope you enjoy it!
To ensure correct operation,
please read this user guide carefully.



Technical Specifications

Dimensions	H:60 x W:38 x D:90 mm
Weight	210 g
Input Voltage	100-240VAC
Power Consumption	3W
Accuracy	Up to 97%
Measurement Rang	0.060-6.5kW @ 230VAC
WiFi	802.11 b/g/n

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Introduction

TrueCost measures real-time electrical power consumption on each phase, which can be displayed on your smartphone, tablet or PC.

TrueCost connects easily to each phase without shutdown of the power system, or disconnecting the wires from the electrical system.

TrueCost allows continuous monitoring of power consumption and power grid status.

TrueCost can be connected to any unit in home, industrial power grid, generators, or power units.

Care and Handling of your TrueCost

 **WARNING:** Make sure you follow the instructions listed below.

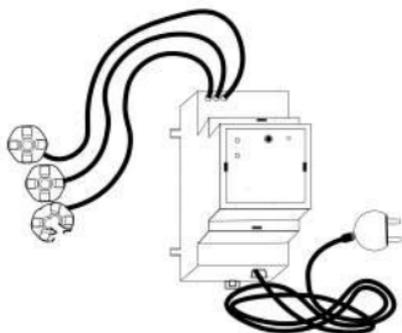
- TrueCost should be installed only by licensed electricians.
- Incorrect handling, such as dropping the device, can cause data loss and voids the warranty.
- Do not attempt to open the device case, which would void the warranty.

- Do not place any liquids or drinks on the device. liquids can damage the internal electronics.

System Requirements

The following are the system minimum requirements:

- Windows 7, Windows 10.
- Smartphone with Android operating system.

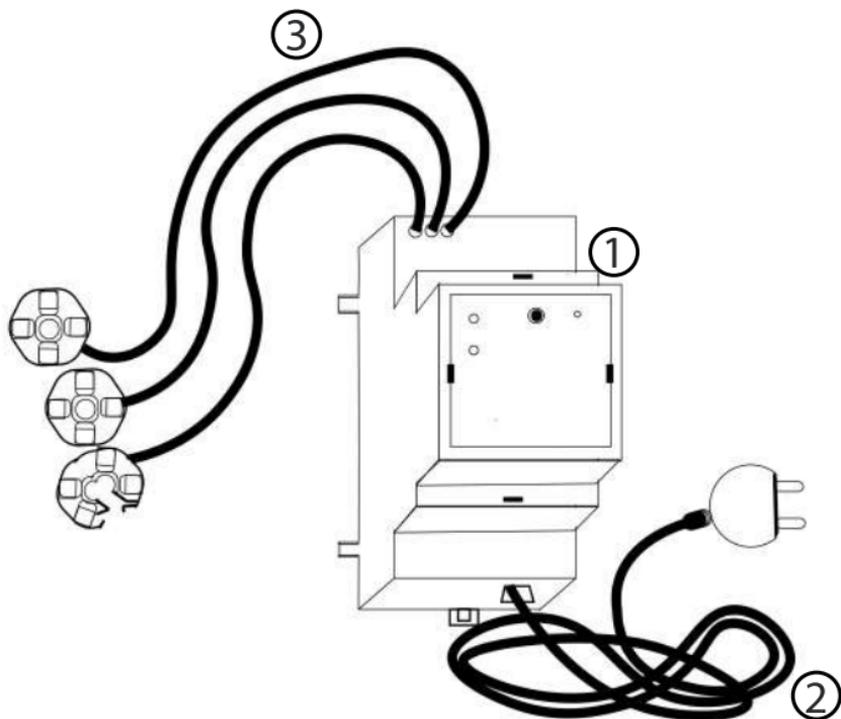


Safe Handling Information

The TrueCost power consumption analyzer is designed for use as a stationary unit. Please read the following warnings before attempting to install, use, or move your TrueCost device.

TrueCost Components

1. TrueCost device
2. Power cord
3. Three measuring probes



TrueCost Features

WARNING: Please read “Safe Handling Information” at the beginning of this document before attempting to install or use the TrueCost device.

TrueCost is connected directly to your main electrical system (DIN standard) in your home or office.

TrueCost measures real-time electrical power consumption on each phase, which can be displayed on your PC or smartphone.

Each TrueCost measuring probe can be easily connected to each phase without disconnecting the wires from the electrical system or shutdown of power.

TrueCost Capabilities:

Easy Installation and Registration After few minutes of installation and short registration, TrueCost is ready and begins sending data to your smartphone or PC application.

Encrypted data Data is encrypted so only user can view it.

Simple Graphics The simple graphic display on your smartphone allows viewing your real-time power consumption. The online presentation allows the user to manage electricity expenses.

Budget

The user can define a monthly budget and change it any time, TrueCost updates the budget in real-time.

24/7 Display

TrueCost displays 24/7 the real-time hourly, daily or monthly kW/h cost in \$.

Bill Report

The bill report can be saved and sent by email, WhatsApp or any other social media application.

Getting Started with TrueCost

WARNING: Do not install the TrueCost device yourself, installation should be performed only by a licensed electrician.

Follow these easy steps to get started with your TrueCost device:

Insert TrueCost into the DIN (1) rail at the main electric cabinet (2).

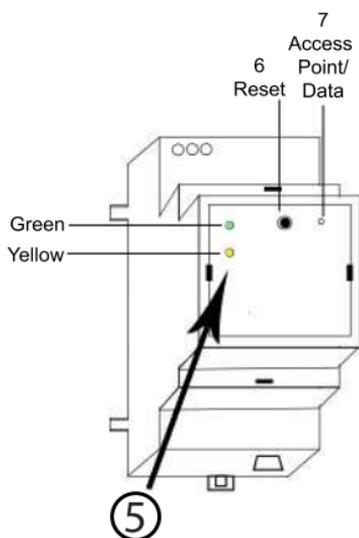
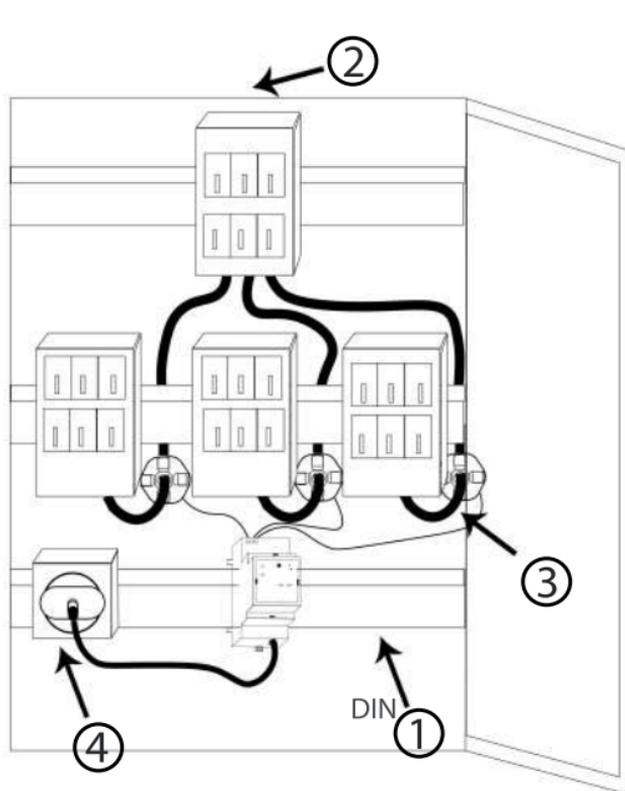
Connect the measuring probes to the main power wires (3).

Connect the power cord plug to the 230VAC outlet (4).

Make Sure both TrueCost connection indicators (5) start blinking. (see "Device indicators").

Device Indicators

TrueCost Power has two LED indicators, Green and Yellow.



Connecting TrueCost to your smartphone application

TrueCost is designed to operate with most Android smartphones.

before connecting TrueCost to your smartphone install the TrueCost smartphone application. (see “Installing the application section).

Installing the application

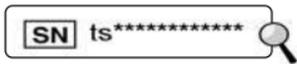
- 1 You can download the app on our website www.kapandrianet.com.
- 2 Click the “Downlaod” tab , and then click to download the “TrueCost smartphone application” from play store.
- 3 Or directly from play store - search “TrueCost”.

Registration

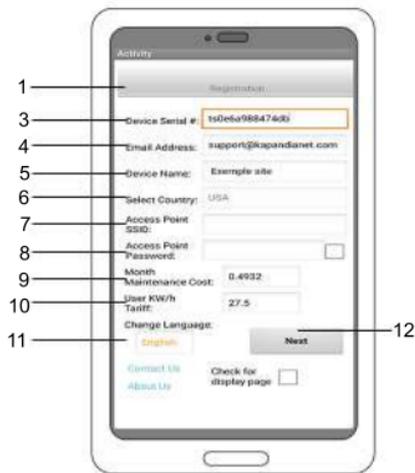
NOTE: Make sure WiFi is turn on in your smartphone.

• Make sure that the TrueCost device is on your WiFi list.

- 1 The registration tab will be displayed.
- 2 Open the WiFi networks window on your smartphone.
- 3 Enter TrueCost serial number (located on the TrueCost device and package).



- 4 Enter your Email address.
- 5 Enter device nick name (any name).
- 6 Select your country.
- 7 Enter your access point name (WiFi SSID).
- 8 Enter your access point password.
- 9 **Month Maintenance Cost:** Must be defined by the user. Set the monthly maintenance cost (in \$) Excluding VAT, you pay to the electricity supplier.
- 10 **User kW/h Tariff:** Must be defined by the user. Set the kW/h cost (in \$) Excluding VAT you pay to the electricity supplier.
- 11 **Change Language:** Select your language.
- 12 Tap **Next**.



Terms & Privacy Confirmation

Confirm the two sections: Privacy & Policy, Terms & Conditions And click Approve. If you would like to view the documents again, visit www.kapandrianet.com.



Terms & Privacy Confirmation

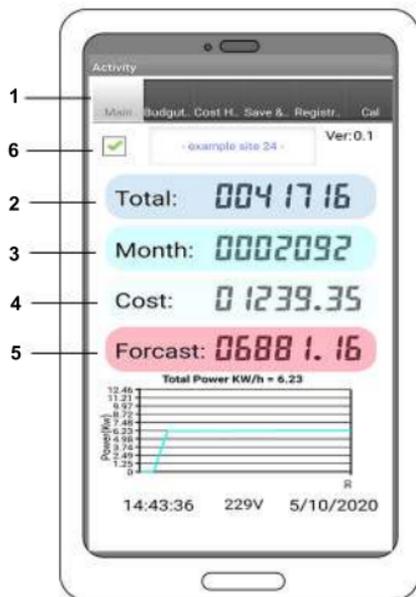
Operating the TrueCost Smartphone Application

After compilation of the registration the application restarts and TrueCost begin sending data to the application.

Main TAB:

- 1 On the main screen you can select the device from a list of devices, if you buy and registered more then one device according to the nick-name selected in the registration section.

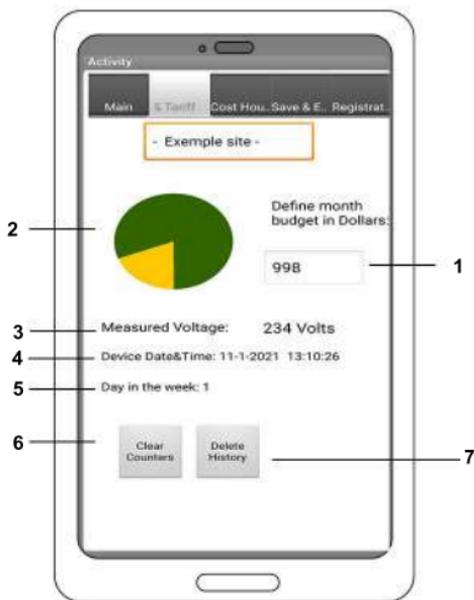
- 2 **Total:** kW/h, you can change it by tapping total.
- 3 **Month:** kW/h for current month.
- 4 **Cost:** Current cost in \$.
- 5 **Forecast:** forecast for this month- if budget is defined and exceeds the monthly cost, this field is markd in "Red" (you can set your budget in the "Budget & Control Screen" section)
- 6 Checkbox: Select or deselect to toggle between displaying three phase separately and total consumed power in kW/h.



Main screen

Budget & Tariff TAB:

- 1 Define Monthly Budget in \$.
- 2 A pie-chart showing the remaining budget for use this month.
- 3 The voltage measured by TrueCost.
- 4 Device Date & Time: Current date and time from TrueCost.
- 5 Day in the week: Day of the current week from TrueCost.
- 6 Clear Counters- Reset all counters in the application (pay attention that all data on your device will be deleted).
- 7 Delete History: Delete entire history in the application (pay attention that all data on your device will be deleted).

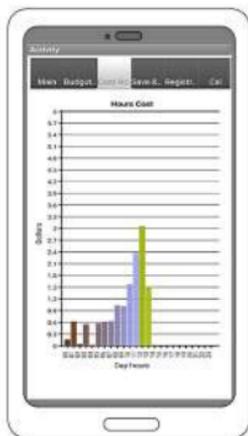


Budget & Tariff

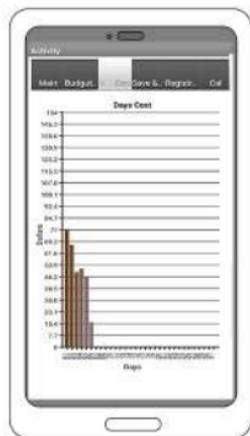
Hour/Day/Month Cost TAB:

TrueCost displays 24/7 real-time hourly, daily or monthly kW/h cost in \$.

Tap the screen to select Hours Cost /Days Cost/Months Cost.



Hours



Days



Months

Save & Email Screen

you can save your bill directly to your smartphone, and send it via Email, WhatsApp or any other social media application.



Connecting TrueCost to your PC

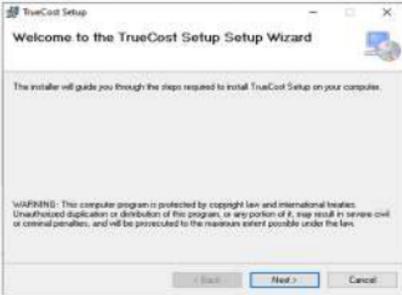
TrueCost is designed to operate with Windows 10 or Windows 7.

Installing the Application

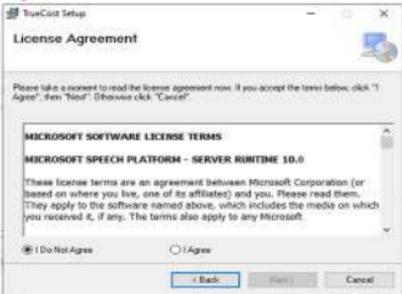
To Install the TrueCost application:

- 1 Open our website www.kapandrianet.com.
- 2 Click the “Download” tab, and then click Download the TrueCost PC application.
- 3 Run the setup.exe file to install the software on your PC.
- 4 Open the TrueCost Setup window and start with the installation.

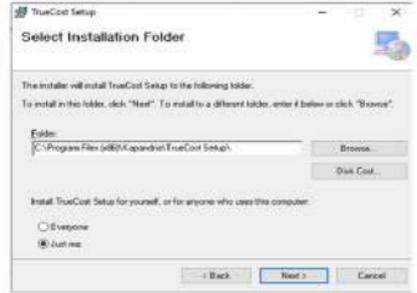
To start the installation click Next



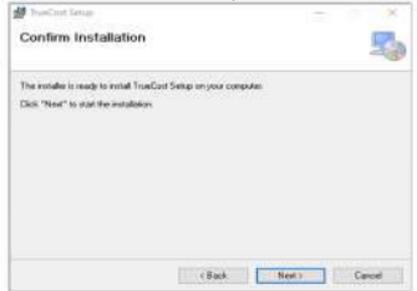
Read the license agreement, select I Agree and then click Next



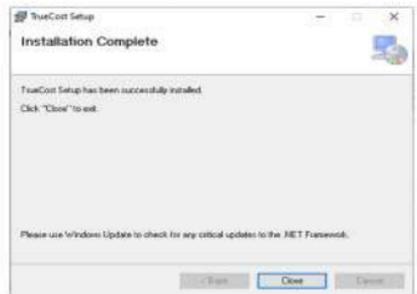
Select an installation folder, and click Next



To confirm installation, click Next



Installation Complete, click Close



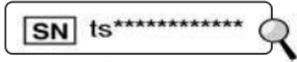
The TrueCost shortcut is installed on your desktop. To run the application, double click the TrueCost shortcut.



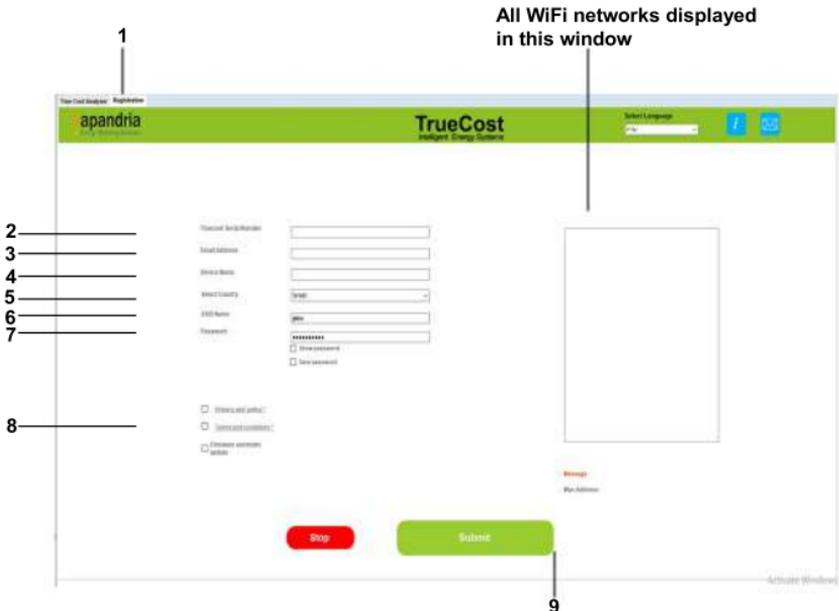
Registration

NOTE: Make sure WiFi is turned ON in your PC.

- 1 Select the Registration tab.
- 2 Enter TrueCost serial number - SN (located on the TrueCost device and package).

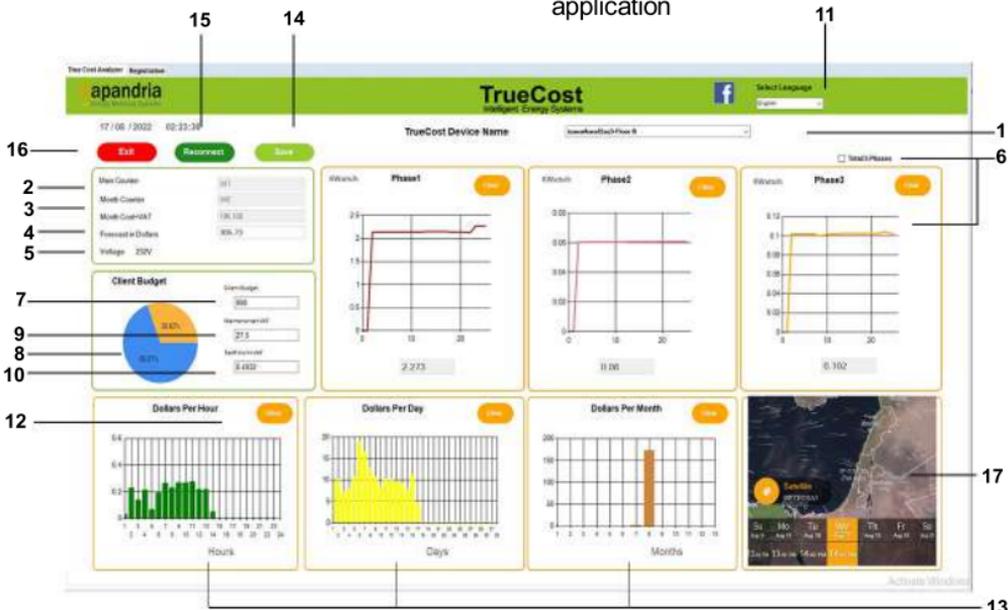


- 3 Enter your Email address.
- 4 Enter device nick name (any name).
- 5 Select your country.
- 6 Enter your access point name.
- 7 Enter your access point password.
- 8 Select both Privacy & Policy, and Terms & Conditions checkboxes.
Optional: save your SSID info in your PC.
- 9 Click **Submit**.
- 10 Open the WiFi networks window on your PC to make sure TrueCost is on the networks list.



Operating the TrueCost PC Application

- 1 Select your device from the list.
- 2 **Main Counter:** kW/h forever, you can change it by clicking total.
- 3 **Month Counter:** Displays the total TrueCost kW/h for the present month.
- 4 **Cost:** current month cost in \$.
- 5 **Forecast:** Forecast for this month. If budget is defined and exceeds the monthly cost, this field will be marked in Orange (you can set your budget in the Client Budget part).
- 6 **Total/3 Phases checkbox:** Select or deselect to toggle between displaying three phases separately and total consumed power in kW/h.
- 7 Define your monthly budget in \$. You can set your budget in the client budget field.
- 8 A pie-chart showing the remaining budget for use this month.
- 9 **Month Maintenance Cost:** Must be defined by the user. Set the monthly maintenance cost (in \$) not include VAT, you pay to the electricity supplier
- 10 **User kW/h Tariff:** Must be defined by the user. Set the kW/h cost (in \$) not include VAT, you pay to the electricity supplier.
- 11 **Change Language:** Select your language.
- 12 **Clear buttons:** Clear the charts.
- 13 **Three Charts at the bottom:** Displaying 24/7 real-time hourly, daily and monthly kW/h cost in \$.
- 14 **Save button:** Save your bill report directly to your PC.
- 15 **Reconnect button:** Reconnect to the TrueCost device.
- 16 **Exit button:** Closing the application.
- 17 Cloud radar - for the solar panels application



Troubleshooting

• If TrueCost does not transmit data to your application or software after registration, Try the following solutions:

- 1 Check if the TrueCost yellow LED indicator blink slowly (~ 1 second).
- 2 Make sure your router is connected to the internet- if not reset the router. Make sure that ethernet WAN is connected to the router.
- 3 Make sure your router supports the number of clients connected to it.
- 4 Press the reset button on your TrueCost device (page 4).
- 5 If you still cannot view data, contact our support.

• If the smartphone app is not connected to the TrueCost device during registration:

- 1 Make sure you typed the SN correctly.
- 2 Open your WiFi networks window and connect manually to the TrueCost access point (ts******) using the password: kap12345.
- 3 You may have entered wrong access point or password. To re-register, follow these steps:
 - Press and hold the 7 button (see page 4) with a toothpick and then press and release the 6 button for one second, You can now release the 7 button.
 - Press button 6 again, the two LEDs should flash together.
 - Now you can start the registration again.

After proper registration your smartphone will connect to TrueCost.

Customer Support

Website:

<https://www.kapandrianet.com/page/Support>

Phone:

+972-46180293

Coution

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. **This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

