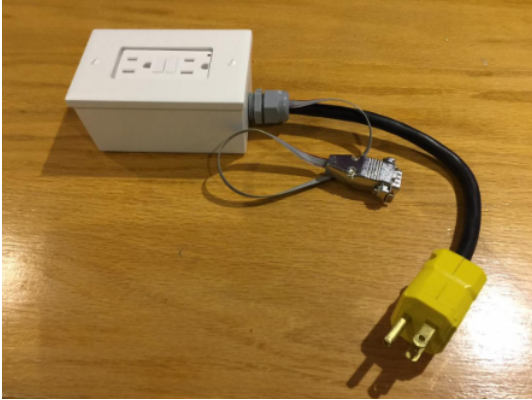
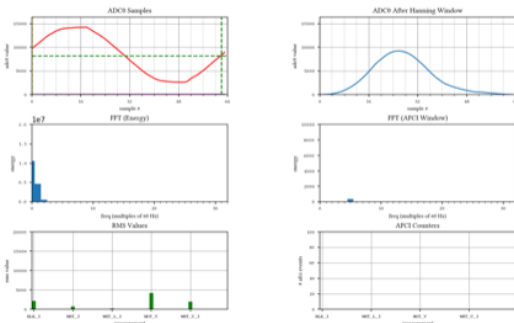


## Intelligent Tamper Resistant Sensor Box for Data Acquisition of Voltage & Current



### Multiple Display Modes



Unparalleled Tamper  
Resistance Safety

Unparalleled Real Time Power  
Monitoring & Reporting

Access to API-generated  
monitoring, reporting & control

OPTIONAL – DIRECT WIRE  
And PLC compatible

<b>AMPS</b>	15 Amp/20 Amp, 125-Volt (Rated at 20 Amps, configurable at assembly to 15A or 20A); 240v single phase.
<b>WIRING TYPE</b>	3 wire.
<b>WIRING</b>	Extension cord with male plug; Sensor Box with female blade/prong input(s); communications port and cable for connection to user's computer for API controlled real time monitor display, and for data storage
<b>CONFIGURATION</b>	Straight blade for 15A and rotated for 20A
<b>FUNCTION TYPE</b>	Duplex
<b>GRADE</b>	Residential, Commercial, Industrial, Military, Hospital
<b>GROUNDING TYPE</b>	Grounded
<b>INDOOR/OUTDOOR</b>	Indoor
<b>STATUS LIGHTS</b>	Bi-colour LED to indicate fault condition(s)
<b>MISWIRING</b>	If black not connected power is not supplied. LED is off when power not provided.
<b>MOUNT LOCATION</b>	Plugs directly into outlet
<b>NUMBER OF PRONGS</b>	accepts both 2 or 3 prongs
<b>RECEPTACLE VOLTAGE</b>	125V code

## Unparalleled Tamper Resistance Safety

Brainwave's AllSafe Tamper Resistant (TR) Receptacle allows unparalleled tamper resistance safety in an electrical receptacle, providing a safer, superior electronic approach to help prevent users from electrical shock, burn or electrocution from unintentional activation of live 125v power when conductive foreign objects are inserted or live electrically powered plug blades/prongs unintentionally come in contact with metal (ground); e.g. are live for short time until completely removed.

Typically, TR receptacles available on the market use mechanical mechanisms such as spring loaded gates, shutters or sliders to prevent insertion of objects other than prongs of electrical plugs.

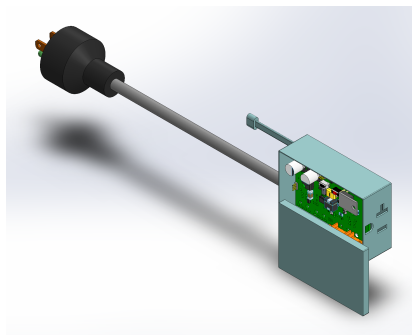
The AllSafe™ TR uses sensors, switches and electrical means to protect users. An industry first, Brainwave's AllSafe TR receptacle provides an electronic sensing system to detect the presence of electrical prongs/blades

The AllSafe TR™ will only activate and provide power safely once simultaneous contact is made by both hot and neutral plug blades. The decision to supply power is made for every AC cycle, making it extremely fast & sensitive to external power conditions. The receptacle does not have spring loaded shutters and accordingly does not restrict insertion of the plug prongs into the outlet. Tamper resistance is achieved only once the prongs are inserted at the same time (within 350 milliseconds) in order for contacts to be energized.

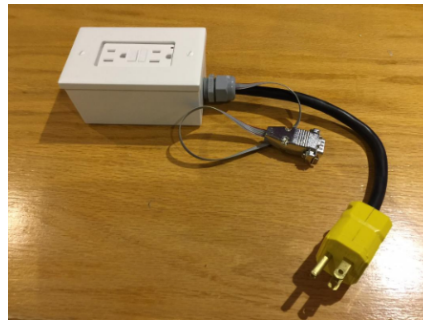
If both prongs are not inserted within this time frame, the outlet will be held in a disabled mode, until the prong(s) has/have been removed.



## ADVANCED POWER MONITORING & CONTROL Intelligent Sensor Box for Data Acquisition of Voltage and Current



SINGLE OUTLET



DUPLEX OUTLET

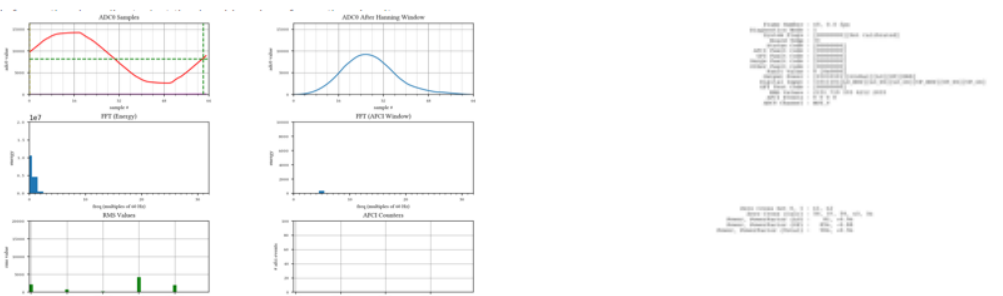
**APPLICATIONS:** From Appliances to Industrial Equipment.

Examples: Hair dryer, toasters, blenders, microwave, motors, vacuum cleaners, air conditioners, dishwashers, clothes dryers, drying cabinets, freezers, refrigerators, kitchen stoves, water heaters, washing machines, trash compactors, microwave ovens, induction cookers and any appliance that can benefit from enhanced safety and power control.

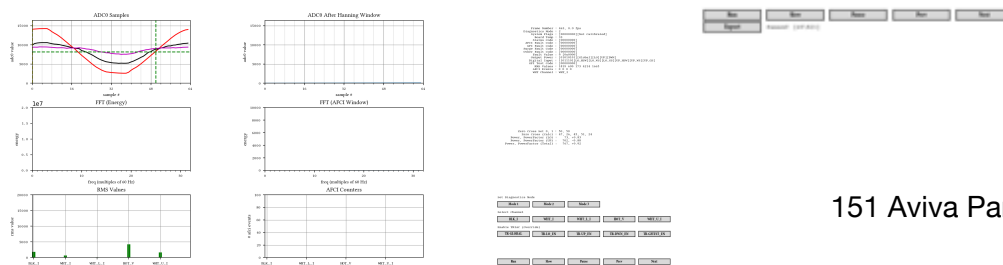
The system module monitors signals in real time: including but not limited to frequency analysis and phase relationships. actual power consumed, reactive power, power factor.

Information is collected at the load level, or for entire circuits.

Software collects and reports true energy use and equipment power use profiles, in real time or for subsequent analysis. All the data can be recorded & replayed back.



Example: The hot volts is being monitored.  
(e.g. can see FFT; arc related info is coming out here)



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**MULTIPLE SIGNALS – HOT VOLTS & CURRENTS  
INCLUDING POWER FACTOR REPORTING**