

## **MultiEducator releases Electrical Pro 1.0 for iPhone/iPod Touch**

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New York based MultiEducator today announced the release of Electrical Pro 1.0, their new information calculation tool for the iPhone and iPod Touch. Building on the success of Electrical Formulator, the Electrical Pro program adds 35 essential charts to the 100 electrical formulas in the standard Electrical Formulator. It also includes parts of the National Electric Code. The application has been designed from the ground up to leverage the iPhone's unique abilities and interface.

New Rochelle, New York. MulitEducator today announced the release of Electrical Pro 1.0, their new information calculation tool for the iPhone and iPod Touch. Building on the success of Electrical Formulator, the program adds 35 essential charts to the 100 electrical formulas in the standard Electrical Formulator. The application has been designed from the ground up to leverage the iPhone's unique abilities and interface. Electrical Pro will slowly grow to include more and more electrical charts. Electrical Pro also includes excerpts from the National Electric Code.

Perfect for any electrician or electrical engineer, Electrical Pro combines charts that cover important specifications, as well as, safety requirements with over 100 formulas that can calculate everything from voltage drop to transformer sizing.

The charts in the program include:

### **MOTORS**

- \* Locked Motor Indicating Letters
- \* Standard Horsepower Ratings
- \* Synchronous Speed RPM
- \* Wire Specs

### **POWER DEMAND**

- \* Clothes Dryer Demand
- \* Electric Range Demand
- \* Other Kitchen Demand
- \* Lighting Loads
- \* Multi-Family Demands
- \* Efficiency Ratings

### **WIRING**

- \* Color Wiring Codes
- \* Current Carrying Capacity of Aluminum Wire Single Conductor
- \* Current Carrying Capacity of Aluminum Wire Three Conductor
- \* Current Carrying Capacity of Copper Wire Single Conductor
- \* Current Carrying Capacity of Copper Wire Three Conductor
- \* Conductor Application and Insulation
- \* Current Adjustment for More then Three Wires in Cable
- \* Electrical Conductors- Physical and Electrical Properties- Solid Wires
- \* Electrical Conductors- Physical and Electrical Properties- Stranded Wires
- \* Flexible Cords and Cables Current Capacities
- \* Insulation Temperatures
- \* Maximum Number of Conductors and Fixture Wires in Flexible
- \* Maximum Number of Conductors and Fixture Wires In Electrical Metal Tubing
- \* Maximum Number of Conductors and Fixture Wires In Flexible Electrical Metal Tubing
- \* Number of Conductors in Outlet Device and Junction Boxes
- \* Volume Required Per Conductor

- \* AWG Wire Sizing

#### VOLTAGE DROP

- \* Wire Size vs. Voltage Drop

#### SAFETY CODES

- \* Branch Circuit
- \* Minimum Cable Covering
- \* Minimum Size Equipment Grounding Conductors for Grounding Raceway and Equipment

Formulas Include:

#### BATTERIES

- \* Starting motor amperage
- \* Number of cells required
- \* Operating time

#### BTU CONVERSIONS

- \* COSTS
- \* Cost of operating lights and appliances
- \* Cost of using appliances
- \* Hours of usage of new bulb
- \* Insulation years to payback
- \* KILOWATTS AND JOULES CONVERSIONS

#### GENERATOR

- \* Direct Current Generator
- \* Generator amperage output
- \* Generator efficiency

#### IMPEDANCE

- \* When resistance and reactance are known
- \* When resistance inductive reactance are known.
- \* Kva to Kw
- \* Parallel Circuits
- \* Total resistance
- \* Capacitance
- \* Reactance (X)
- \* Inductive Reactance
- \* Capacitance Reactance
- \* Bandwidth

#### MOTORS

- \* Locked rotor current
- \* Single-phase motors
- \* Three phase motors
- \* Motor KVA calculations
- \* When Fla is known
- \* When motor KVA per horsepower is known
- \* Motor KVA when above not known
- \* Speed of motor

#### OHM'S LAW

- \* Calculate for power

- \* Power
- \* Calculate for Resistance
- \* Calculate for voltage

#### TRANSFORMERS

- \* Primary amperes
- \* Secondary amperes
- \* Transformers sizes full load cur
- \* Single phase 208 V
- \* Single phase 240 v
- \* Single phase 480 v
- \* Three phase 208 v
- \* Three phase 240 v
- \* Three phase 480 v
- \* Rated full load
- \* Impedance of secondary
- \* Amperage capacity from secondary

#### VOLTAGE DROP

- \* Voltage drop calculations feet
- \* 1 phase copper
- \* 1 phase aluminum
- \* 3-phase copper
- \* 3 phase Aluminum
- \* Voltage drop calculations meters
- \* 1 phase copper meters
- \* 1 phase aluminum meter
- \* 3 phase copper meters
- \* 3 phase aluminum meters

#### WIRING

- \* Wire size
- \* Wire length copper
- \* Wire resistance
- \* Wire length aluminum
- \* Amp to be calculated
- \* Conduit size

There are also nearly 100 general conversion formulas that are a part of the program. Electrical I Formulator v.1.0: also allows for all formulas to be saved and/or e-mailed.

#### Supported Languages:

- \* US English

#### Device Requirements:

- \* iPhone or iPod Touch 2.1 or later

#### Pricing and Availability:

Electrical Formulator 1.0 for iPhone is \$6.99 (USD) and available exclusively through Apple's App Store. The 100 formulas and 30 charts and excerpts from the National Electric Code are just the start of what MultiEducator expects will grow to include the complete National Electrical in coming releases (Available in Free Updates to owners of previous versions of the Electrical Formulator Pro program).

prMac: Publish Once, Broadcast the World :: <http://prmac.com>

MultiEducator:  
<http://www.multieducator.net/>

Electrical Pro 1.0:  
<http://www.multieducator.net/formulator/Electricalpro.html>

Download and Purchase:  
<http://itunes.apple.com/WebObjects/MZStore.woa/wa/viewSoftware?id=327753349&mt=8>

Screenshot - Charts:  
<http://www.multieducator.net/formulator/Electricalpro/main.jpg>

Screenshot - Main Menu:  
<http://www.multieducator.net/formulator/Electricalpro/first.jpg>

Screenshot - Calculation:  
<http://www.multieducator.net/formulator/Electricalpro/Fourth.jpg>

Located in New Rochelle, New York, MultiEducator is a privately funded company, was Founded in 1994 by Amy Erani and Marc Schulman. MultiEducator's goal is to enable students to learn history in a completely new way. Throughout MultiEducator's years in business, the company has continuously expanded its services and product line. In the summer of 2008 the company sold its HistoryShopping site to concentrate on the content part of the business. It then initiated its newest division developing software for the Apple iPhone and iPod Touch. In October 2008, MultiEducator released its first application, for the Apple iPhone, entitled: the &quot;Formulator&quot;. As one of the earliest producers of multimedia software, MultiEducator has been providing schools and the general public with rich, compelling history software for almost two decades. Copyright 2008-2009 MultiEducator. All Rights Reserved. Apple, the Apple logo, are registered trademarks of Apple Computer in the U.S. and/or other countries.

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Marc Schulman  
President  
914-318-2527

[Multied@Multied.com](mailto:Multied@Multied.com)

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Link To Article: <https://prmac.com/release-id-8365.htm>

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