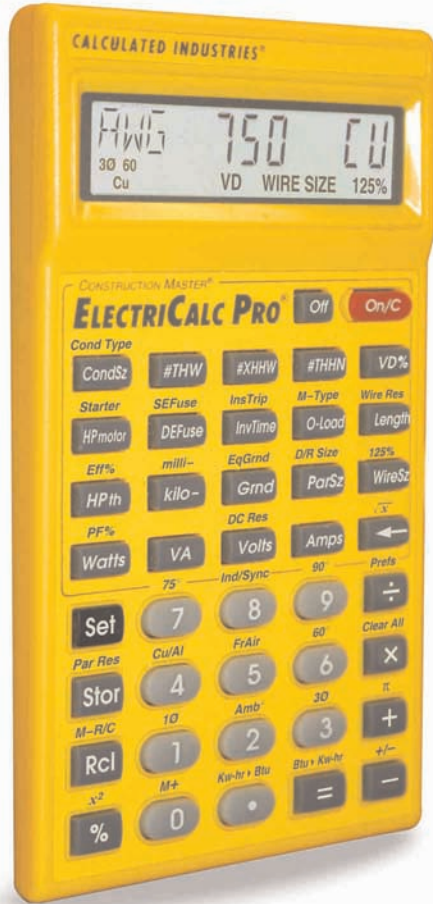


Tools for Building, Construction, Engineering and Design Professionals



Model 5060

The *ElectriCalc Pro* solves tough electrical calculations in conformance with the NEC®. It is a complete electrical reference tool that will save time and money and frustrating errors.

ElectriCalc Pro Calculator Upgrades for 2005

- Enter BTU to find Kilowatts per Hour
- Enter Kilowatts per Hour to find BTU
- Parallel Resistance
- NEC Table Number displayed when performing Wire Size calculations

ELECTRICAL® PRO

MODEL 5060

Electrical Code Calculator

Compliant with 2005, 2002, 1999 and 1996 NEC®

The *ElectriCalc Pro* is the world's most complete Code based electrical calculator. Solve electrical calculations in seconds; answers conform to current NEC®. It's a complete electrical reference tool that will save time, trouble and money. *Update to future code revisions with an easy-to-install kit.*



Wire Sizes; Integrated Voltage Drop; Conduit Sizing



Motor Full-Load AMPs; Fuse and Breaker Sizes



Parallel and Derated Wire Sizing, displays NEC® Table used



Service and Equipment Grounding Conductor Sizes

ElectriCalc Pro is the choice for:



- Electrical Contractors
- Designers
- Engineers
- Electricians
- Maintenance
- Inspectors
- Planners
- Builders
- Lighting Specialists

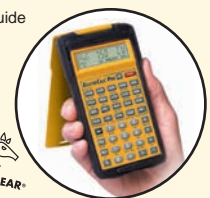
Product Specifications — ElectricalCalc Pro Model 5060

Size:	5.6" x 3.0" x 0.6" (142.8mm x 76.2mm x 15.9mm)
Weight:	4.5 oz. (127.5 gm) Includes Case and Field Reference Guide
Power:	One 3-volt (CR-2032) Long-life Battery
Display:	8 Digits with Full Annunciators
LCD Dimensions:	0.625" x 2.5" (15.88mm x 63.5mm)
Accuracy:	10 Digit Internal Accuracy

Included with Every *ElectriCalc Pro*:
Easy-to-follow User's Guide; Handy Pocket Reference Guide;
Ergonomically designed Armadillo Gear® protective case.

Full One-Year Limited Warranty:

All Calculated Industries calculators and electronic tools are covered by a Full One-Year Limited Warranty against defects in materials and workmanship. The full text of each warranty is published in the documentation accompanying each product and at www.calculated.com. Calculated Industries reserves the right to make changes in the materials and specifications of products without notice.



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Easy-to-use for Fast, Accurate Electrical Solutions



Electrical Measurements and Conversions

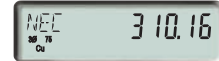
- Work directly in and convert between Amps, Watts, Volts, Volt-Amps, kVA, kW, PF%, EFF% and DC Resistance.



Dedicated Functions

- Calculate wire sizes per NEC® 310-16 and 310-17; Copper or aluminum, 30/10, 60°C, 75°C, 90°C insulation ratings and 100% or 125% of ampacity. Adjust wire sizes for ambient temperatures other than 30°C and for more than three wires in a raceway.
- **Integrated voltage drop solutions.** Find minimum VD wire size, maximum length for any given wire size, drop percentage, actual number and percentage of volts dropped.
- **Conduit sizing for 12 types of conduit.** Per 2005 NEC® Table C1-C12, find sizing of all common conduits for any combination for #THW, #XHHW and #THHN wires. Plus, gives fill percentages, cross-sectional areas, remaining areas and more.
- **Find Motor Full-Load Amps per Current NEC®.** Works in 1Ø and 3Ø with the new expanded tables for 3Ø induction (to 500 hp) and synchronous (to 200 hp) motors per NEC® 430-148 and 430-150.

- Parallel and derated wire sizing.
- Sizes overload protection per NEC® 430-32.
- Automatically finds NEMA starter sizes.
- **Calculates service and equipment grounding conductor sizes** per NEC® 250-122 and 250-66; plus works directly in electrical terms.
- Enter BTU to find Kilowatts per Hour.
- Enter Kilowatts per Hour to find BTU.



Additional Features

- Works as a standard math calculator with +, -, ×, ÷, +/-, %, π, 1/x, x² and √x.
- Auto Shut-Off extends battery Life, Memory.
- Update to future code revisions with easy-to-install kit.

Includes Armadillo Gear® Protective Hard Case



Shock absorbing protective hard case with soft-grip and tough 360° flip-top cover.



ELECTRICAL[®] PRO

MODEL 5060

Electrical Code Calculator Compliant with
2005, 2002, 1999 and 1996 NEC[®]

ELECTRICAL CONTRACTORS • DESIGNERS • ENGINEERS • ELECTRICIANS • MAINTENANCE
INSPECTORS • PLANNERS • BUILDERS • LIGHTING SPECIALISTS

Dedicated Keys and Functions Make It Easy To Use

Wire Types — Calculate wires in Raceways and cross-sectional wire area.

Conduit Size — Find conduit sizes based on total area of entered wire types and sizes.

Motor HP — Enters or calculates motor horsepower.

Dual Element Fuse — Calculates minimum amp rating for Dual Element Fuse, full-load current percent multiplier.

HPth — Enter or calculate theoretical horsepower.

Set — Accesses secondary functions.

Inverse Time — Calculate the minimum amp rating for an Inverse Time Breaker.

Voltage Drop — Enter or calculate voltage drop and actual percentage.

Overload — Displays the overload amperage based on the full-load current on motor nameplate.

Length — Enters or calculates the length of a run for voltage drop computation.

Wire Sizes — Enter or calculate wire sizes based on ampacity and voltage drop for Ground, Derated, Parallel and Motor, etc.

Work In — Enter or calculate electrical functions.

Preferences — Used to set default settings or modes.

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