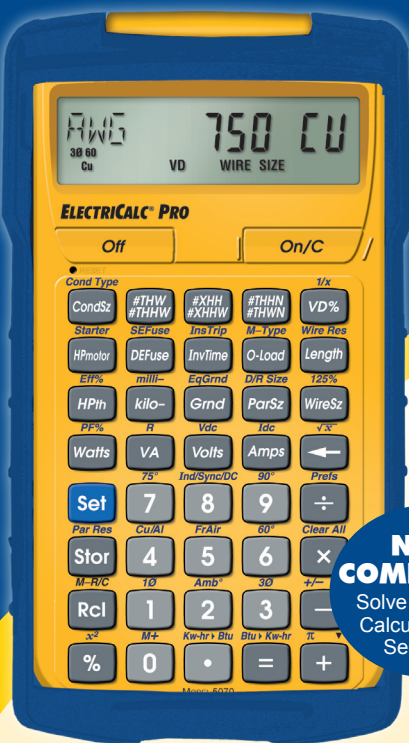


# ELECTRICAL<sup>®</sup> PRO

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Model 5070

## Calculator Features:

- Wire Sizes
- Integrated Voltage Drop
- Conduit Sizing
- Motor Full-Load AMPs
- Fuse and Breaker Sizes
- Parallel and Derated Wire Sizing
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Solve Electrical Calculations in Seconds!

Electrical Code Calculator Compliant with 2011, 2008, 2005, 2002, 1999 and 1996 NEC<sup>®</sup>

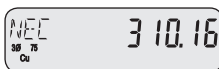
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Wire Sizes, Integrated Voltage Drop, Conduit Sizing



Motor Full-Load AMPs, Fuse and Breaker Sizes



NEC<sup>®</sup> Tables Show for Wire Size Calculations



Service and Equipment Grounding Conductor Sizes

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**Wire Types** — Calculates wires in Raceways and cross-sectional wire areas.

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

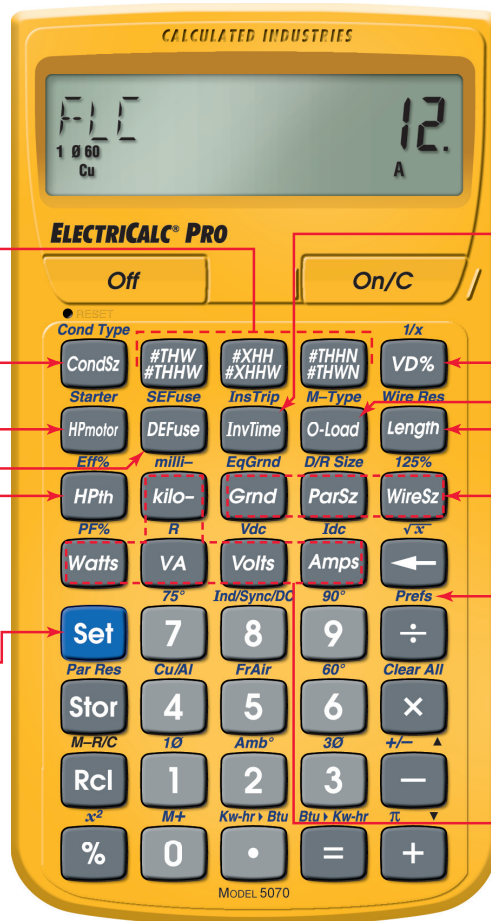
**HP Motor** — Enters or calculates motor horsepower.

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

**HP Theoretical** — Enters or calculates theoretical horsepower.

**Set** — Accesses secondary functions.

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**Inverse Time** — Calculates the minimum amp rating for an Inverse Time Breaker.

**Voltage Drop** — Enters or calculates voltage drop and actual percentage.

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

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

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

**Preferences** — Used to set default settings or modes, including NEC Code Year.

**Electrical Units** — Enters or solves electrical values.

**Dedicated Keys and Functions Make It Easy To Use!**

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