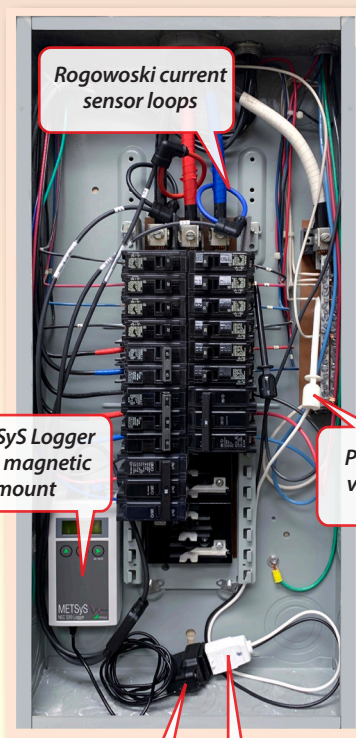
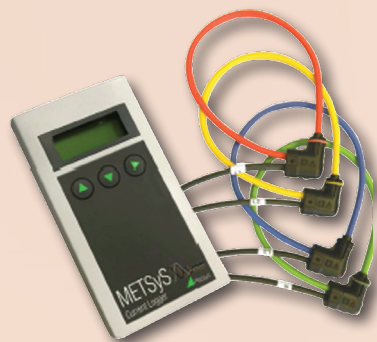


The perfect panel capacity tool to correctly conduct and report the results of NEC 220.87 connected load studies

Conducting a connected load study anytime a new load is to be added to a panel is often required to comply with the National Electrical Code. These studies are time-consuming to conduct and chances are you aren't reporting the results properly.

Now there is a fool-proof way to perform NEC 220.87 studies and produce reports that will always pass electrical inspection.

POWERetc's METSyS Current Logger and Custom Report Generator Package makes it super-easy to set up and conduct NEC 220.87 (Exception Method) connected load studies. It's as easy as **1-2-3-DONE!**



Rogowski current sensor loops

METSyS Logger with magnetic mount

Piercing J-hook voltage probes

120/240VAC to 5VDC power supply

120/240VAC power adapter

Hookup

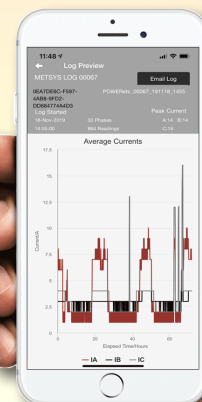
- **Place** the ultra-compact METSyS Logger with magnetic mount inside the panel
- **Attach** the PROSyS Rogowski coils included in the package for each phase and neutral
- **Connect** the package's power supply and voltage clips

Setup

- **Turn** Bluetooth ON and PAIR the METSyS mobile app with the METSyS logger
- **Label** the study
- **Select** the averaging interval to 15 seconds
- **Set** the study duration to 30 days

Retrieve/Report

- **Download** a METSyS logging session to the app
- **Take** a screenshot of plot, save to photos or email (optional, but a good practice)
- **Email** a log for later processing with the proprietary spreadsheet Excel macro
- **Create** perfect reports with the POWERetc report generator (The macro takes all the mystery out of the equation – see an example report on the next page.)



The METSyS Current Logger Package is available for rent or purchase exclusively from POWERetc. [Contact us today.](#)

Create Clear, Concise Load Study Reports

The **NEC 220.87 (Exception Method)** connected load study involves collecting average current data in 15-minute intervals, continuously recorded over 30 days. (Note: Sometimes readings are checked after seven days to verify that panel capacity exists, but the full 30-day study should be conducted, especially when electrical permits are required.)

The powerful Excel macro developed by – and only available from – **POWERetc**, makes it easy to comply with NEC standards – while creating easy-to-read load study reports.

The Excel macro also calculates and plots the continuous load, identifies the maximum continuous load (MCL) and the adjusted MCL (AMCL). NOTE: A continuous load is defined, by the NEC, as a load that is present continuously for 180 minutes (three hours).

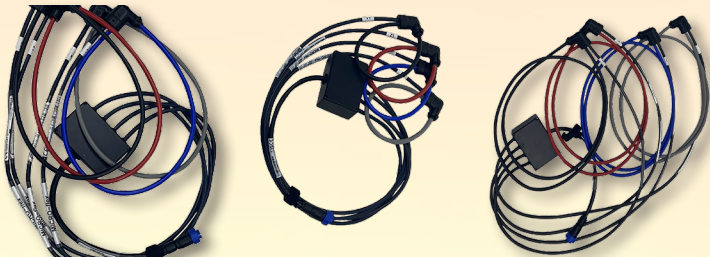
The **POWERetc** macro walks you through a series of screens – from analyzing the load characteristics to producing the final report.

- You **Set Up** the analysis according to preference, such as:
- Panel ampacity
 - Seasonal adjustments
 - Planned additional load

- You can **Customize** formatting and images, including:
- Report title
 - Images at top right and/or left top
 - Text at bottom



The **POWERetc METSs Logger** package comes complete with current probes and an auxiliary power supply. The package is equipped with a choice of **PROSs** current probes.



Three standard probe sets are offered as part of the **METSs Logger** package. The **ProSs** probes are offered with 3", 6" and 15" diameter coils, each with three phase heads plus neutral (four heads).

The **METSs Current Logger Package** is available for rent or purchase exclusively from **POWERetc**. [Contact us today.](#)



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