

TI Designs Three Phase Rogowski Coil Based E-Meter Solution



TEXAS INSTRUMENTS

TI Designs

TI Designs provide the foundation that you need including methodology, testing and design files to quickly evaluate and customize the system. TI Designs help you accelerate your time to market.

Design Resources

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Design Features

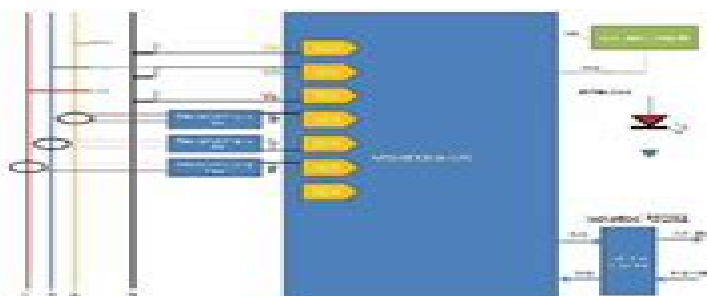
The board can be configured to:

- 3-phase 0.2% energy metering solution
- Software d/dt integration and energy calculation library provides for easy code development
- Software integrator solution – minimal hardware changes to migrate from existing C- based solutions
- No effect of DC components of current
- Current sensing immune to EMI
- No phase shift in current measurement

Featured Applications

The applications are as follows:

- E-meter with Rogowski coil current sensors
- Utility metering
- Power quality meters
- Grid infrastructure meters



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