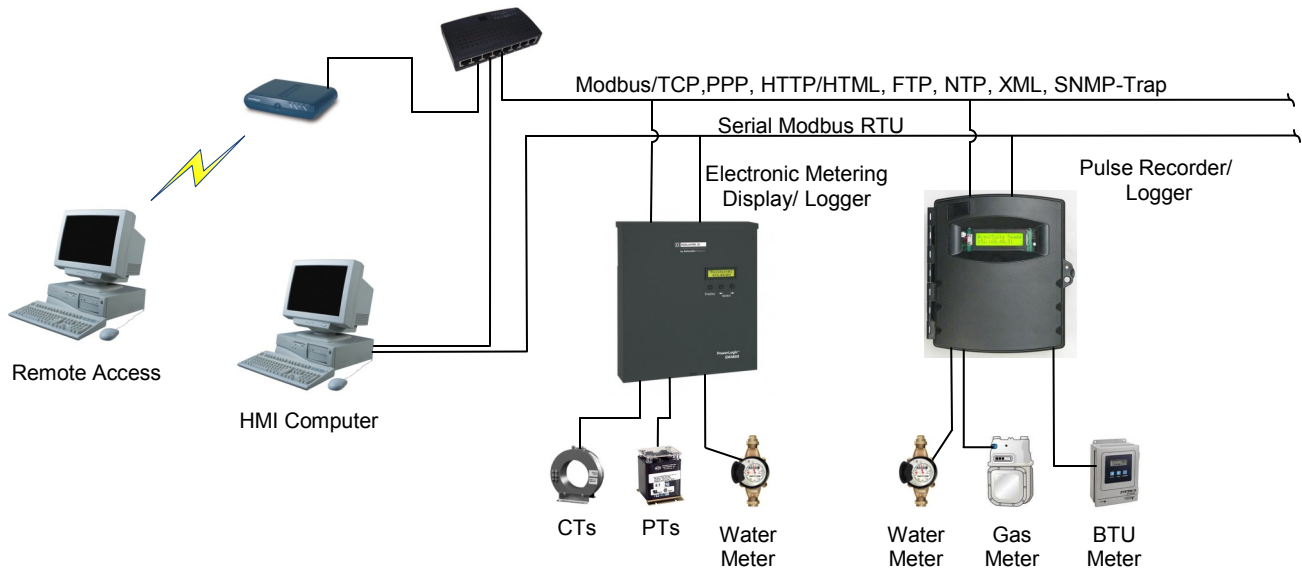


## DIGITAL METERING SYSTEM FOR LEED MEASUREMENT AND VERIFICATION



The Digital Metering System for LEED M&V is based on an open architecture that is scalable to fit the size of your application. It is designed to be as small as single metering point to a large multi-metering system incorporating abilities to measure various forms of energy including electrical, water, gas, etc. It is designed to be vendor generic, allowing the user to mix and match meters for the most cost effective solution for the end user. The basic system is comprised of two components:

HMI Computer which performs the following functions:

- Monitors all devices simultaneously
- Stores all data in a database
- Stores all measurements in a .csv file format every 15 minutes
- Provides reports based on time-of-use or block energy consumption
- Operates in a client-server mode to allow remote access via web browser
- Supports Modbus/TCP, Modbus RTU, PPP, HTTP/HTML, FTP, NTP, XML
- Configurable for custom communication protocols
- OPC compliant for data transfer if required
- Software can export data to other Reporting Applications
- 24/7 and software support for first year of service

Electric Metering Display/Logger provides the following functions;

- Measure Wh, Vrms, Irms
- 1 Pulse Input to collect data from electric, water and/or gas meters
- Multiple AMR Technologies: Modem, Ethernet, 802.11 Wireless
- Building Automation Protocols: Modbus TCP
- 5 minute to 60 minute demand intervals
- Ethernet Protocols: TCP/IP, DHCP, HTTP, PPP, SNTP, FTP, Modbus TCP
- Voltage 120/208V, 120/240V Higher voltages with PTs
- On-Board Display with scroll buttons
- On-Board Memory – holds up to 480 days of meter data at 1 hour intervals
- On-Board Real Time Clock with battery back-up
- ANSI/C12.16 0.5 Class Measurement Canada

The Digital Metering System is a starting point to your Energy Management needs. Not sure if this solution will fit your needs? Digital Engineering is a fully equipped Energy Solution Provider. Our staff of Engineers, Technologist and Technicians have years of experience in developing software and hardware solutions that can meet your needs.