Energy/Power Monitoring Capabilities

Experience the Difference!
Energy or power monitoring is a way to collect electrical and utility data in order to analyze and make decisions on electrical loads and power distribution systems within a facility. Regardless of whether a commercial or industrial end user, power or energy monitoring is an essential measurement strategy in determining the visibility of energy usage and performance of equipment, processes and power distribution system.

Measurement Basics—Where do you start?

Simply put, power measurement begins with sampling current and voltage inputs to a metering device. Selection for this device begins with properly specifying electric current, voltage, and the wiring configuration. So, how do electrical metering devices work? It starts with these devices having the intelligence and following this basic formula: 

\[ \text{Watts} = \text{Volts} \times \text{Amps} \] (single phase circuit)

The Importance of Proper Energy and Power Measurement

There are various justifications and reasons for implementing a good metering or measurement strategy. From basic measurement to sophisticated real time data collection, Schaedler Yesco can help in aligning with the right solution for your metering goals:

- Tenant Billing and cost allocation
- Energy Management and Monitoring
- Measurement and Verification (M&V)
- Cost justification of energy efficiency cost savings
- Accountability of long-term savings
- Load profiling & benchmarking
- Baseline development
- Energy conservation programs
- Leadership in Energy & Environmental Design (LEED)
- Energy Star
- Carbon footprint verification
- Compliances and government mandates
- Financial Return on Investments (ROI)
- Building or Energy Automation integration
- Power quality
- Energy usage to production
- Sustainability

Energy and power measurement, metering or monitoring can align with the following categories:

- Test Equipment or Tools
- Electricity Monitoring
- Basic Metering
- Submetering
- Power logging
- Energy and Power Measurement
- Power Quality Measurement
- Smart Meters
- Advance Meter Infrastructure (AMI)

How can we help?

Schaedler Yesco has the application experience to show how to establish “eyes into electrical equipment and systems.” We have a full line of metering solutions that are broken down into the following product areas:

- Panel Meters
- Power/Energy Loggers and Analyzers
- Portable Meters
- Fixed Meters and Systems

Based on our application and field experience, we can right size and apply a metering solution based on the following application criteria:

- Portable or Fixed
- Indoor or Outdoor
- Local display
- Analog or Digital
- Mounting: surface, din rail, socket, portable or panel

Metering Solutions

Fixed Meters - Power Distribution

- Siemens

Fixed Meters - Automation

- Rockwell Automation

Fixed Meters - Electrical

- Eyedro Green Solutions
- E-mon D-mon
- Leviton
- National Meter
- Veris Industries