



CURRENT SENSORS

Serving OEMs, Distributors, and Contractors with Application Solutions for: Load Trending, Equipment Status, Power Monitoring, Electronic Ballasts, Variable Speed Loads, Pumps, Compressors, Preventative Maintenance, Project Justification (ROI), Broken/Slipping Belts, Locked Rotors, Electrical Failure, Local Alarms, Lighting Status & Usage, Process Control, Industrial Equipment, and Data Centers.

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Automation Components, Inc.

2305 Pleasant View Road | Middleton, WI 53562



CURRENT

ACI's comprehensive current sensor line includes sensors, switches, relays, and power meters—and the technical support to solve the most challenging applications.

Applications:

- Load Trending
- Power Monitoring
- Electronic Ballasts
- Variable Speed Loads
 - Fans
- Pumps/Compressors
- Preventative Maintenance
- Project Justification (ROI)
- Overload/Underload/Normal
- Broken/Slipping Belts
- Locked Rotors
- Electrical Failure
- Local Alarms
 - Strobes
 - Audible Alarms
- Lighting Status & Usage
- Process Control
- Industrial Equipment
- OEM Load Trending
- Data Centers



MINI CURRENT SWITCHES

Mini current switches are available with fixed or adjustable trip points (with LED) and split or solid core configurations. Available trip points are as low as 0.20 amp with a 0-150 amp measurement range.



ANALOG CURRENT SENSORS

ACI analog current sensors are available with 0-5 VDC, 0-10 VDC, or 4-20 mA output, and split core or solid core options. Ranges from 0-5 amps up to 0-250 amps with a True RMS 4-20 mA option for VFDs. A patented integral DIN rail mounting bracket means no additional accessories are needed for installation.



KW350 SERIES POWER METER [THREE CIRCUIT, 0.5 CLASS ACCURACY, SERIAL COMMUNICATIONS]

The KW350 series DIN rail mounted meter combines high performance with ease of integration to provide a cost-effective power and energy monitoring solution. The meter supports user selectable Modbus RTU or BACnet™ MS/TP communication protocols and pulse output communication, which allows seamless integration with most data acquisition systems. The KW350 provides demand measurement of current, active power, reactive power, and apparent power.



KW320 SERIES POWER METER [THREE CIRCUIT, 0.2 CLASS ACCURACY, ETHERNET COMMUNICATIONS]

The KW320 series offers 400 metering parameters in a cost-effective, high performance, easy to integrate package. The KW320 series multifunction digital power meter is designed using modern MCU and DSP technology. The KW320 integrates single or three-phase energy monitoring, energy accumulating, power quality analysis, malfunction alarming, data logging, and network communication. The optional prewired "Plug N' Play" NEMA 4X enclosure upgrade provides a cost-saving solution for retrofit projects where meters are not targeted for installation in an electrical distribution panel.





KW1850 SERIES POWER METER [18 CIRCUIT, 0.5 CLASS ACCURACY, SERIAL OR ETHERNET COMMUNICATIONS]

The KW1850 series DIN rail mounted meter combines high performance with ease of integration. It supports up to 18 single-phase or 6 three-phase circuits simultaneously for multipoint energy measurement. The compact design is suited for high density applications such as commercial, industrial, and residential multi-tenant energy management systems. Additional features include data logging and snap-on CTs for easy installation.



SPLIT CORE CTs

The ACI split core CT series is designed for installation on both main or branch circuits within the electrical panel. They feature a 333 mV low voltage output that is both safe and easy to install. CTs come standard with unterminated stripped and tinned lead wires for easy connection to single or three-phase ACI power meters (KW320 and KW350 models with -SC in the part number or the KW1850 series).



ROGOWSKI COIL CTs

The flexible Rogowski coil CTs are appropriate when solid core or split core current transformers cannot fit. They are ideal for high amperage services, bus bars, and power quality monitoring such as harmonics. Advantages include high accuracy, a wide measurement range, and no additional power supply needed. Rogowski coil CTs come standard with unterminated stripped and tinned lead wires for easy connection to single or three-phase ACI power meters (KW320 and KW350 models with -RC in the part number or the KW1850 series).





WE HAVE YOU COVERED!



From engineering and design services to installation and troubleshooting, our Technical Support Team offers expert support for every customer and every application. Our Sales and Customer Support Teams can help with quotes, order status, invoicing, and many product spec and application questions.

CONTACT US

Phone: 1-888-WORKACI (967-5224)

Live Chat: Click the Chat button on every page of our website: workaci.com

Tech Support Email: techsupport@workaci.com

Customer Support Email: orders@workaci.com

Hours: 7:00 a.m. to 5:30 p.m. Central, Monday – Friday



STAY CONNECTED

workaci.com | 1-888-967-5224 | 2305 Pleasant View Rd., Middleton, WI