CENTRON II®
Itron

CENTRON II

CL200 240V 3W TYPE C2SXD 30TA 1.0Kh
CA 0.5
FM2S
60Hz
*1NF054665201
54 665 201
USA 12/09

CENTRON II

The CENTRON® Electricity Meter

A Meter with Personality

Did you know functionality in the CENTRON meter can be specifically tailored to suit your needs? Choose from several personality modules for basic to complex energy measurement, including:

- Demand metering functions
- Time-of-use (TOU) based rate structures
- Load profile data
- Smart grid, advanced metering infrastructure (AMI) and automated meter reading (AMR) applications
- A variety of communication options from industry-leading OEM providers

The unique flexibility of this solid-state meter platform offers your utility the best in metering technology, proven to easily and affordably expand as your business needs change.

CENTRON II

PERSONALITY

CENTRON
PSONALITY

Personality Plus

Interchangeable Modules for Unique Needs

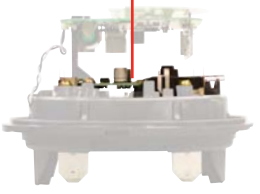
The CENTRON residential smart meter features interchangeable personality modules that snap into the standard meter configuration, customizing the meter to a utility's distinct needs. Several module variations are available, including:

> **Residential Electricity Meters**

ANSI C12.19-compliant, CENTRON residential meters are available with a demand module (C2SD), a TOU module with demand capability (C2ST), and a load profile module with TOU and demand features (C2SL), and also available with an optional service switch offering on the C2SDD, C2STD or C2SLD versions, giving utilities the chance to collect and utilize more detailed information and better manage demand.

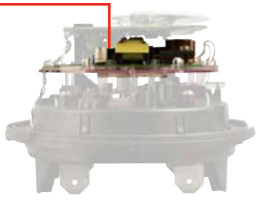
OpenWay® Smart Meters

With its secure and reliable open-standards approach to data collection and communications between the meter and network, the OpenWay CENTRON meter (C2SO/C2SOD) provides the foundation for Itron's smart grid solution. Two-way communications, TOU and critical peak pricing details, 15-minute load profile data from two channels, and bi-directional metering are possible with OpenWay. Standard consumption message (SCM) support allows utilities to deploy OpenWay CENTRON meters in an AMR environment today, and then migrate to smart grid applications in the future.

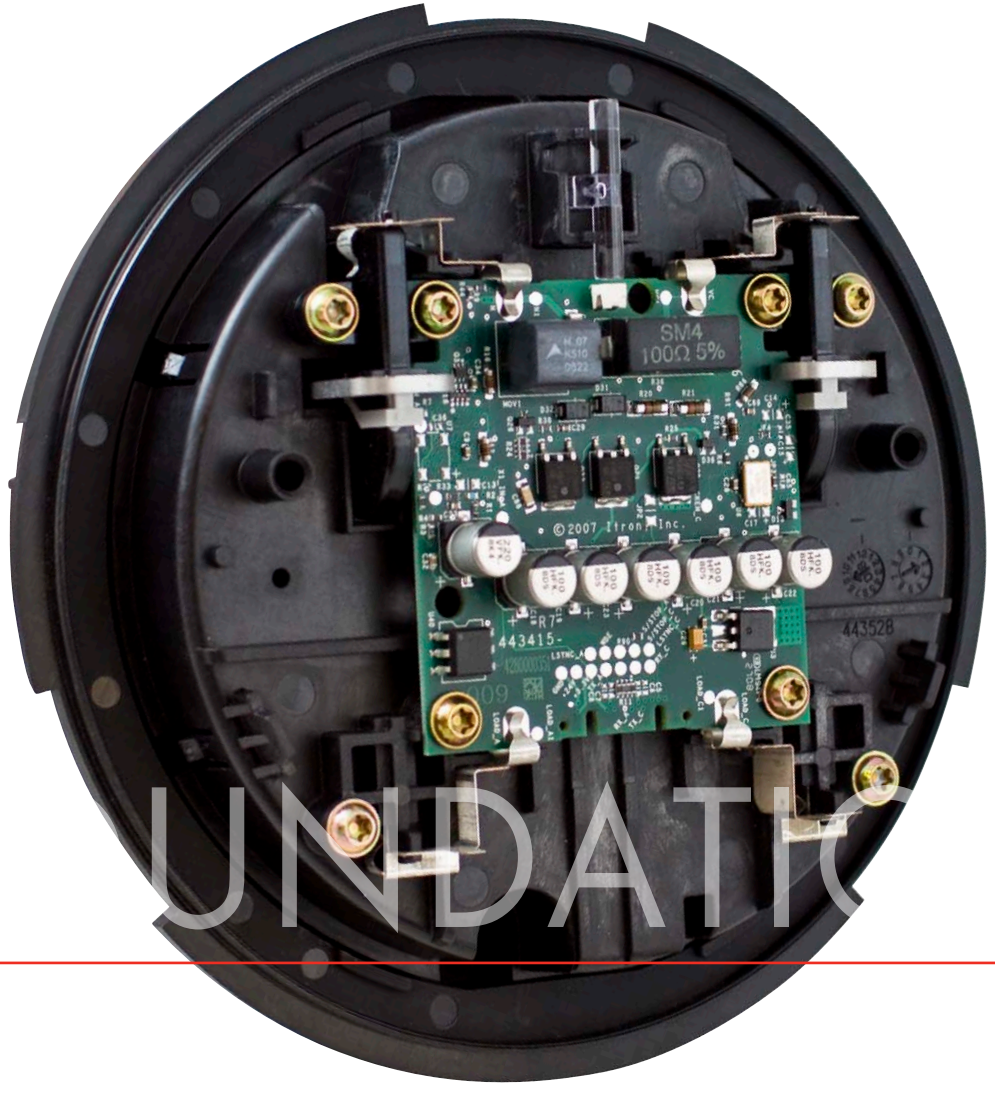


Plug-and-Play OEM Meters

From low-end kWh measurement to smart metering applications, Itron works closely with a variety of strategic partners to provide additional communications options for rapid integration into CENTRON meters. Informative developer kits are available that outline standard processes and easy-to-use interfaces to support rapid OEM development.



FOUNDATION



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A Foundation to Build Upon

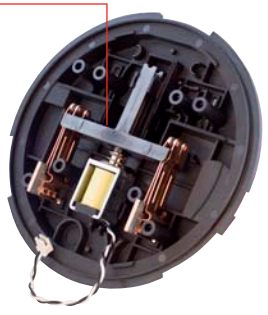
Metrology Built from the Ground Up

An electricity meter's true value to a utility is its ability to accurately measure energy. In addition to its remarkable typical accuracy of 0.3 percent, the CENTRON meter:

- Delivers advanced voltage monitoring for power quality auditing and assurance
- Enables bi-directional metering for distributed energy resources and co-generation opportunities
- Offers instantaneous demand reporting for real-time load indication
- Provides multiple energy measurements for advanced billing applications
- Incorporates a serial interface to personality modules for enhanced functionality
- Features an updated, serial-based metrology with an available service switch

Service Switch

In addition to measurement accuracy, the CENTRON metrology also contains an optional service switch in the base for remote disconnect and reconnect of customer service. This switch can be configured to operate in automatic mode for activities like demand limiting operations, or respond to on-demand commands initiated from meter data management software. This enhanced capability offers increased safety, improved efficiency and response times and greater visibility into fraud detection.



FOUNDATION

INNOVATION

INNOVATION

Where Innovation Meets Experience

Why Choose CENTRON for your Utility?

For today's electricity providers, daily operations are more magnified than ever before. Scrutiny from local agencies, regulators and utility consumers alike is more intense than ever. To be successful, you need a safe, reliable and truly accurate product. The CENTRON meter is the proven and most successful smart residential meter for the North American market.

- Itron is the only meter vendor in the U.S. with a team of design and manufacturing experts, engineering products within the same location for all market segments
- Itron has the unique advantage of operating facilities nationwide, offering the opportunity to expand field testing parameters and production capacity to meet the changing needs of our customers
- Itron's electricity meter manufacturing facility in West Union, S.C., has been recognized for leading innovation and automation. In order to meet the new technical challenges and volume opportunities of the smart grid market, tron has committed to the multi-year development of a fully-automated manufacturing line

A Global Company, Manufacturing Locally

Products Made in America

Itron's footprint in the global utility industry is characterized by American ingenuity and innovation. As our energy portfolio has evolved to meet the distinct needs of growing utilities, we have kept a strong manufacturing presence in the U.S. We're investing a substantial part of our revenue not only in tomorrow's automation techniques but also in the nation's workforce.

Knowledge to Shape Your Future

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