The CENTRON C1S solid-state meter is used for measuring single-phase energy consumption. With this solid-state meter, Itron presents a platform for residential metering with the flexibility to adapt as your needs expand and change.

The CENTRON C1S is available as an energy meter with an LCD register. As an option, the meter is available with interchangeable personality modules, including demand, time-of-use (TOU), load profile and various communication options.

**FEATURES**

**Flexible Platform**
- The CENTRON meter can easily be upgraded to any of the option modules available
- All calibration data is permanently stored in the base of the meter on the CENTRON metrology board

**Personality Modules**
- The interchangeable personality modules are part of a snap-in register assembly
- The personality module houses all register or communication functions

**Enhanced Performance**
- Low starting watts
- Low burden
- Captures energy that was not monitored in the past by electromechanical meters

**Tamper Resistant**
- Measures energy even if the meter is inverted

**Standard Features**
- Electronic LCD register
- Polycarbonate cover
- Test LED Unattended Processing

**Option Module Upgrades**
- Demand module (C1SD)
- TOU with demand module (C1ST)
- Load profile with TOU and demand module (C1SL)
- R300 900 MHz RF module (C1SR)

**Option Availability**
- Glass cover
- Electronic detent
- Identification/Accounting aids

### Product Availability

<table>
<thead>
<tr>
<th>Meter Version</th>
<th>Class</th>
<th>Volts</th>
<th>Wire</th>
<th>Form</th>
<th>Digits/Mult</th>
<th>Energy Setting</th>
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<td>100</td>
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**SPECIFICATIONS**
Technical Data
Meets applicable standards:
» ANSI C12.1 - 1995
» ANSI C12.10 - 1997
» ANSI C12.20 (Class 0.5) - 1998
» ANSI C37.90.1 - 1989
» ANSI C62.45 - 1992
» IEC 61000-4-4
» IEC 61000-4-2
» FCC Part 15, Subclass C

Reference Information
» CENTRON Technical Reference Guide
» CENTRON C1SR Specification Sheet
» CENTRON C1SC Specification Sheet
» CENTRON C1SD, T, L Specification Sheet
» Hardware Specification Form
» ZRO-C2A Handheld Meter Resetter Instructions

Dimensions

SPECIFICATIONS

Dimensions

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<tr>
<th>Polycarbonate</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<td>2.7&quot;</td>
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Shipping Weights

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<td>120 Meter Pallets</td>
<td>260-265</td>
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<th>Glass</th>
<th>Pounds (approx)</th>
<th>Kilograms</th>
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<tbody>
<tr>
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<td>13.96</td>
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<tr>
<td>120 Meter Pallets</td>
<td>335</td>
<td>151.956</td>
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</tbody>
</table>

Specifications

Power Requirements
Voltage Rating: 240 Operating Voltage: 
± 20% (60 Hz); ±10% (50 Hz)
Frequency: 60Hz, 50Hz Operating Range: ± 3 Hz

Operating Environment
Temperature: -40° to +85°C Humidity: 0% to 95% non-condensing

Transient / Surge Suppression
ANSI C37.90.1-1989 ANSI C62.45-1992
IEC 61000-4-4

Accuracy
ANSI C12.20 0.5 accuracy class

General LCD Display
Five-digit liquid crystal display Annunciator height: 0.088” Electronic load indicator

Characteristic Data
Starting watts: 5 watts

Temperature Rise Specifications
Meets ANSI C12.1 section 4.7.2.9

Burden Data*
Voltage circuit: Voltage: 240 Watts: 0.5 VA: 7.5
Current coil-self contained test amp current: 60 Hz Service: 3-Wire Test current: 30 (amps) VA: <0.50

*Burden data applies to FM2SV 240V meter.

At Itron, we’re dedicated to delivering end-to-end smart grid and smart distribution solutions to electric, gas and water utilities around the globe. Our company is the world’s leading provider of smart metering, data collection and utility software systems, with over 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.

To realize your smarter energy and water future, start here: www.itron.com

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