C1S Transformer-Rated

CENTRON® Meter

The CENTRON transformer-rated solid-state meter is used for measuring single-phase energy consumption. It 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**
- The CENTRON meter’s improved performance, such as low starting watts and low burden, captures energy that was not monitored in the past by electromechanical meters
Tamper Resistant
» For tamper protection, the CENTRON meter measures energy even if the meter is inverted

Standard Features
» Electronic LCD register
» Polycarbonate cover
» Test LED

Option Availability
» Glass cover
» Electronic detent
» Identification/accounting aids

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)

Reference Information
» CENTRON Technical Reference Guide
» CENTRON C1SR Specification Sheet
» CENTRON C1SC Specification Sheet
» CENTRON C1SD, T, L Specification Sheet

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

SPECIFICATIONS
Product Availability

<table>
<thead>
<tr>
<th>Volts &amp; Service</th>
<th>Meter Class</th>
<th>Test Amps</th>
<th>Kh (Pulse/Wh)</th>
<th>Form No.</th>
<th>Register Description</th>
<th>Digits &amp; Multipliers</th>
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<th>Catalog with Poly</th>
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**Dimensions**

### Polycarbonate

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<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<td>6.95&quot;</td>
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<td>16 cm</td>
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<td>11.5 cm</td>
<td>16 cm</td>
<td>17.7 cm</td>
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### Glass

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<th>G</th>
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<td>6.95&quot;</td>
<td>3.03&quot;</td>
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<tr>
<td>16.3 cm</td>
<td>17.7 cm</td>
<td>7.7 cm</td>
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<td>12.5 cm</td>
<td>16.3 cm</td>
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**Specifications**

### Power Requirements

- Voltage Rating: 120 V, 240 V
- Frequency: 60 Hz
- Operating Voltage: ± 20% 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"
- Data digit height: 0.4"
- Electronic load indicator

### Characteristic Data

- Starting watts: 3S-1.2 watts; 4S-2.4 watts

### Temperature Rise Specifications

- Meets ANSI C12.1 section 4.7.2.9

### Burden Data

- Voltage circuit:
  - Voltage: 120 Watts: 0.65 and VA: 5.4
  - Voltage: 240 Watts: 0.65 and VA: 10.2

- Current coil-self contained test amp current: 60 Hz
  - Service: 3-Wire
  - Test current (amps): 30 and VA: <0.50

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**Shipping Weights**

### Polycarbonate

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<th>Pounds (approx)</th>
<th>Kilograms</th>
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<td>4 Meter Cartons</td>
<td>8.9 lbs</td>
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<tr>
<td>120 Meter Pallets</td>
<td>260-265 lbs</td>
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### Glass

<table>
<thead>
<tr>
<th>Pounds (approx)</th>
<th>Kilograms</th>
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<tbody>
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<td>335 lbs</td>
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