



# C1S

CENTRON® Meter

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

Meter Version	Class	Volts	Wire	Form	Digits/Mult	Energy Setting	Catalog Number Glass	Catalog Number Poly
C1S	100	120	2	1S	5x1	Undetented	G980225	G980205
C1S	200	240	3	2S	5x1	Undetented	G980194	G980181
C1S	320	240	3	2S	5x1	Undetented	G980236	G980213
C1S	20	120	2	3S	5x1	Undetented	G980247	G980248
C1S	20	240	3	4S	5x1	Undetented	G980255	G980223
CN1S	200	120	3	12S	5x1	Undetented	G980257	G980195
CN1S	200	120	3	25S	5x1	Undetented	G980265	G980266

## Technical Data

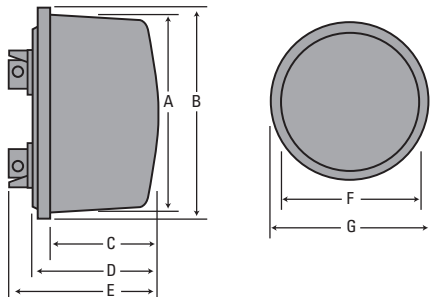
Meets applicable standards:

- » 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

Polycarbonate						
A	B	C	D	E	F	G
6.29"	6.95"	2.7"	3.16"	4.53"	6.29"	6.95"
16 cm	17.7 cm	6.9 cm	8 cm	11.5 cm	16 cm	17.7 cm
Glass						
A	B	C	D	E	F	G
6.42"	6.95"	3.03"	3.55"	4.9"	6.42"	6.95"
16.3 cm	17.7 cm	7.7cm	9 cm	12.5 cm	16.3 cm	17.7 cm

### Shipping Weights

Polycarbonate			Glass		
	Pounds (approx)	Kilograms		Pounds (approx)	Kilograms
4 Meter Cartons	8.9	4.04	4 Meter Cartons	13.96	6.35
120 Meter Pallets	260-265	117.936	120 Meter Pallets	335	151.956

### 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"	Data digit height: 0.4" 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



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](http://www.itron.com)

### ITRON ELECTRIC METERING

313-B North Highway 11  
West Union, SC 29696  
USA

**Phone:** 1.877.487.6602  
**Fax:** 1.864.638.4950

### CORPORATE HEADQUARTERS

2111 N Molter Road  
Liberty Lake, WA 99019  
USA

**Phone:** 1.800.635.5461  
**Fax:** 1.509.891.3355