CN1S

CENTRON®

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 CN1S solid-state meter is used to measure network 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

» 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

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

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

Reference Information

» CENTRON Technical Reference Guide

» CENTRON C1SR Specification Sheet

» CENTRON C1SC Specification Sheet

» CENTRON C1SD, T, L Specification Sheet

» Hardware Specification Form

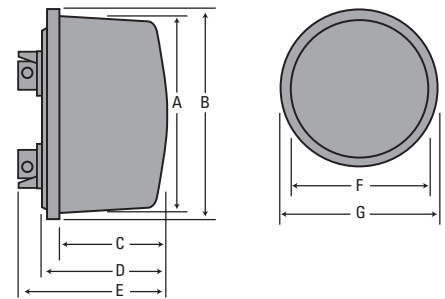» ZRO-C2A Handheld Meter Resetter Instruction

SPECIFICATIONS

Product Availability

Volts/Service	Meter Class	Test Amps	Kh (Pulse/Wh)	Form	Register Description	Digits/ Mult	Catalog Number Glass	Catalog Number Poly
120V 3-wire	200	30	1.0	12S	LCD	5x1	98098	98099
120V 3-wire	200	30	1.0	25S	LCD	5x1	98098	98099
120V 3-wire	200	30	1.0	12S	LCD	4x10	98098	98099
120V 3-wire	200	30	1.0	25S	LCD	4x10	98098	98099

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	7.7 cm	9 cm	12.5 cm	16.3 cm	17.7 cm

Dimensions

Specifications

Power Requirements	Voltage rating: 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 Data digit height: 0.4"	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: 120 Watts: 0.65 VA: 5.4 Current coil-self contained test amp current: 60 Hz Service: 3-Wire Test current (amps): 30 VA: <0.50	

Shipping Weights

Polycarbonate

	Pounds (Approx.)	Kilograms
4 Meter Cartons	8.9 lbs	4.04 kg
120 Meter Pallets	260-265 lbs	117.936 kg

Glass

	Pounds (Approx.)	Kilograms
4 Meter Cartons	13.96 lbs	6.35 kg
120 Meter Pallets	335 lbs	151.956 kg

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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