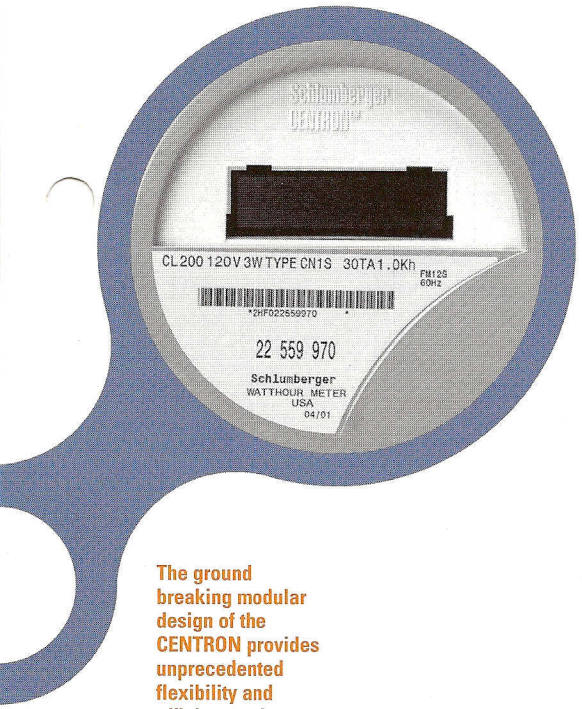
SchlumbergerSema

CENTRON® CN1S

With this solid-state network meter, SchlumbergerSema presents a platform for residential metering with the flexibility to adapt as your needs expand and change.



The ground breaking modular design of the CENTRON provides unprecedented flexibility and efficiency, along with accuracy and reliability.

The CENTRON CN1S solid-state meter is used to measure network energy consumption. It is available as an energy meter with either an LCD, clock, or cyclometer register. As an option, the meter is available with interchangeable personality modules, including demand, time-of-use (TOU), load profile, and various communication options.

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

- Mechanical clock register
- Mechanical cyclometer register
- 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)
- CellNet® module (C1SC)

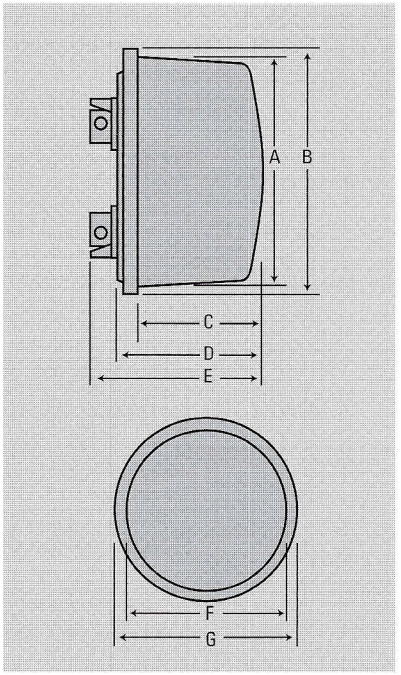
Reference Information

- CENTRON® Technical Reference Guide
- CENTRON® C1SR Product Flyer
- CENTRON® C1SC Product Flyer
- CENTRON® C1SD, T, L Product Flyer
- Electricity Price Bulletin
- Hardware Specification Form
- ZRO-C2A Handheld Meter Resetter

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

Power Requirements	Voltage Rating: 120V	Operating Voltage: ± 20%
	Frequency: 60 Hz	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 IEC 61000-4-4 ANSI C62.45-1992
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: 60 Hz Test Current (Amps): 30 VA: < 0.50

Dimensions

Polycarbonate						
A	**B**	**C**	**D**	**E**	**F**	**G**
6.29"	6.95"	2.7"	3.16"	4.53"	6.29"	6.95"
16c	17.7c	6.9c	8c	11.5c	16c	17.7c

Glass						
A	**B**	**C**	**D**	**E**	**F**	**G**
6.42"	6.95"	3.03"	3.55"	4.9"	6.42"	6.95"
16.3c	17.7c	7.7c	9c	12.5c	16.3c	17.7c

Shipping Wt.

Polycarbonate	Pounds	Kilograms
4 Meter Cartons	8.9 lbs	4.04 kg
96 Meter Pallets	214 lbs	97.30 kg

Glass	Pounds	Kilograms
4 Meter Cartons	13.96 lbs	6.35 kg
96 Meter Pallets	335 lbs	152.30 kg

Product Availability

Volts & Service	Meter Class	Test Amps	Kh (Pulse/Wh)	Form No.	Register Description	Digits & Multipliers	Catalog Number w/glass	Catalog Number w/poly
120V 3-wire	200	30	1.0	12S	Clock	5 x 1	98090	98091
120V 3-wire	200	30	1.0	25S	Clock	5 x 1	98102	98103
120V 3-wire	200	30	1.0	12S	Clock	4 x 10	98092	98093
120V 3-wire	200	30	1.0	25S	Clock	4 x 10	98104	98105
120V 3-wire	200	30	1.0	12S	Cyclometer	5 x 1	98094	98095
120V 3-wire	200	30	1.0	25S	Cyclometer	5 x 1	98106	98107
120V 3-wire	200	30	1.0	12S	Cyclometer	4 x 10	98096	98097
120V 3-wire	200	30	1.0	25S	Cyclometer	4 x 10	98108	98109
120V 3-wire	200	30	1.0	12S	LCD	5 X 1	98098	98099
120V 3-wire	200	30	1.0	25S	LCD	5 x 1	98110	98111
120V 3-wire	200	30	1.0	12S	LCD	4 x 10	98100	98101
120V 3-wire	200	30	1.0	25S	LCD	4 X 10	98112	98113
120V 3-wire	200	30	1.0	12S	R300	5 X 1	98166	98167
120V 3-wire	200	30	1.0	25S	R300	5 x 1	98170	98171
120V 3-wire	200	30	1.0	12S	R300	4 x 10	98168	98169
120V 3-wire	200	30	1.0	25S	R300	4 X 10	98172	98173