



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

- » Hardware Specification Form
- » ZRO-C2A Handheld Meter Resetter Instructions

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

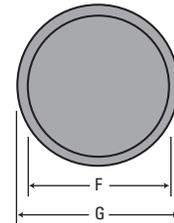
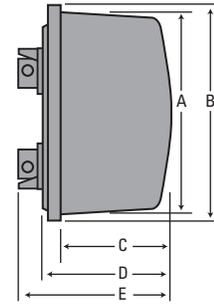
SPECIFICATIONS

Product Availability

Volts & Service	Meter Class	Test Amps	Kh (Pulse/Wh)	Form No.	Register Description	Digits & Multipliers	Catalog with Glass	Catalog with Poly
120V 2-wire	20	2.5	1.0	3S	LCD	5x1	98062	98063
120V 2-wire	20	2.5	1.0	3S	LCD	4x10	98064	98065
120V 2-wire	20	2.5	1.0	3S	R300C	5x1	98154	98155
120V 2-wire	20	2.5	1.0	3S	R300C	4x10	98156	98157
120V 2-wire	20	2.5	1.0	3S	CellNet	5x1	98026	98127
240V 2-wire	20	2.5	1.0	3S	LCD	5x1	98074	98075
240V 2-wire	20	2.5	1.0	3S	LCD	4x10	98076	98077
240V 2-wire	20	2.5	1.0	3S	R300C	5X1	98158	98159
240V 2-wire	20	2.5	1.0	3S	R300C	4x10	98160	98161
240V 2-wire	20	2.5	1.0	3S	CellNet	5x1	98130	98131
240V 2-wire	20	2.5	1.0	4S	LCD	5x1	98086	98087
240V 3-wire	20	2.5	1.0	4S	LCD	4x10	98088	98089
240V 3-wire	20	2.5	1.0	4S	R300C	5x1	98162	98163
240V 3-wire	20	2.5	1.0	4S	R300C	4x10	98164	98165
240V 3-wire	20	2.5	1.0	4S	CellNet	5x1	98134	98135

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



Specifications

Power Requirements	Voltage Rating: 120 V, 240 V Operating Voltage: $\pm 20\%$	Frequency: 60Hz Operating Range: ± 3 Hz
Operating Environment	Temperature: -40° to $+85^{\circ}\text{C}$	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	Burden Data Voltage circuit: Voltage:120 Watts:0.65 VA: 5.4 Voltage:240 Watts:0.65 VA: 10.2 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	13.6 lbs	6.35 kg
120 Meter Pallets	335 lbs	151.956 kg



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