National Meter Industries, Inc.

GREEN RENEWABLE ENERGY METERING

CEP 96 Polyphase Four Quadrant Kilowatt Hour Meter

To satisfy our customers' needs, NMI offers the CEP96 kWh meter, which measures, calculates, and displays kilowatt hours consumed from any industrial three-phase, or single phase power system, either 2, 3 or 4 wire configurations.

MEASUREMENT:
Kilowatt Hours

Output:
Digital Out

Compliance:
Accuracy: ANSI C12.16
FCC: Class A Part 15

Features:
Energy Displayed kWh
Field Programmable
Three – Three Digit – LCD Display

Measuring Range:
120 / 240 / 208VAC
5 – 10,000 Amps (Depending on connected CT)

Specifications:
Power supply : Single-phase 208 / 230 VAC
Voltage tolerance: -15 % / +10 %
Frequency: 50 ... 60 Hz
Burden : 4VA
Operation temperature : -10 to 50 ºC

Measuring Circuits :
Rated voltage 300 VAC Phase-to-Neutral
520 VAC Phase-to-Phase
Frequency 45 to 65 Hz
Rated current. In / 5 A **(isolated inputs)**
Permanent overload 1.1 In
Minimum measurable current 1% In

Current input burden:
0.75 VA
Accuracy : 1 % of readout ± 2 digits
Scale range measurement margin: 10 ..... 100 %

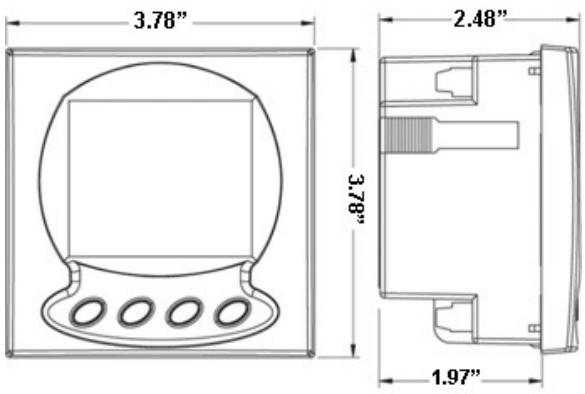
Mechanical Characteristics :
Connection : Pluggable connection terminal.
Metallic terminal with flat headed screw.
Case material: Self-extinguishable, V0 plastic

Protection:
Assembled unit (frontal) : IP 54
Un-assembled unit (side and rear covers) : IP 31
Dimensions: 96 x 96 mm - depth: 63 mm
Weight: 0.4 kg

Display:
-Type: LCD (4 lines) with backlight
-Energy unit : kW·h
-Maximum count: 999,999.999 kW·h

Transistor output features:
Type: Opto-isolated transistor (open collector). NPN
Maximum operating voltage: 24 V DC.
Maximum operating current: 50 mA
Maximum frequency:5 pulses / second
Energy Output: (default) 100 pulses / kW.
Length of pulse: 100mS

Dimensions



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