



## 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 °C

**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**

